

FIELD MAINTENANCE PRINT SET

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RKØ7

Field Maintenance

Print Set

**Digital Equipment
Corporation**
PRINT SET NO.
MP00576

END 12

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1978
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TRACK POSITION DETECTOR/PLO
TRACK POSITION DETECTOR/PLO
TRACK POSITION DETECTOR/PLO
OPERATORS CONTROL PANEL
OPERATORS CONTROL PANEL
OPERATORS CONTROL PANEL
SERVO PREAMP
SERVO PREAMP
SERVO PREAMP
PHOTO TRANSDUCER PREAMPLIFIER
RK07 READ/WRITE
RK07 READ/WRITE
RK07 READ/WRITE
H767 POWER SUPPLY
H767 POWER SUPPLY
H767 POWER SUPPLY
POWER SUPPLY CAP BOARD
RK06 CABLING BOARD
RK06 CABLING BOARD
RK06 TRANSITION BOARD
RK06 TRANSITION BOARD
AWT REVISION STATUS
WIRE LIST (SINGLE PORT)
CIRCUIT SCHEMATIC RK06 BACK PANEL
CIRCUIT SCHEMATIC SPINDLE BRAKE ASSY
DUAL PORT LOGIC
DUAL PORT LOGIC
DUAL PORT LOGIC
DUAL PORT LOGIC
DUAL PORT LOGIC
AWT REVISION STATUS
WIRE LIST (DUAL PORT)

D-UA-M7908-0-5 (SHT 1 ONLY)
D-CS-M7908-0-1
B-PL-M7908-0-0
D-AH-5411823-0-5 (SHT 1 ONLY)
D-CS-5411823-0-1
A-PL-5411823-0-0
D-AH-5411687-0-5 (SHT 1 ONLY)
D-CS-5411687-0-1
B-PL-5411687-0-0
D-CS-5411881-0-1
D-AH-5411060-YA (SHT 1 ONLY)
D-CS-5411060-YA
B-PL-5411060-YA
D-AH-5411042-0-5 (SHT 1 ONLY)
D-CS-5411042-0-1
A-PL-5411042-0-0
D-CS-5411040-0-1
D-AH-M9016-0-5 (SHT 1 ONLY)
D-CS-M9016-0-1
D-AH-5411893-0-5 (SHT 1 ONLY)
D-CS-5411893-0-1
A-WT-7012474-0
K-WL-7012474-0-1 (COMPLETE)
D-CS-5411864-0-1
D-CS-7012940-0-1
D-UA-M7730-0-0 (SHT 1 ONLY)
D-CS-M7730-0-1
D-BD-M7730-0-2
D-TD-M7730-0-3
B-PL-M7730-0-0
A-WT-7012474-1
K-WL-7012474-0-2 (COMPLETE)

TITLE RK07 DISK DRIVE

SHEET 2 OF 2

SIZE CODE
B TC

NUMBER
RK07-0-1

REV
A

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NOTES:

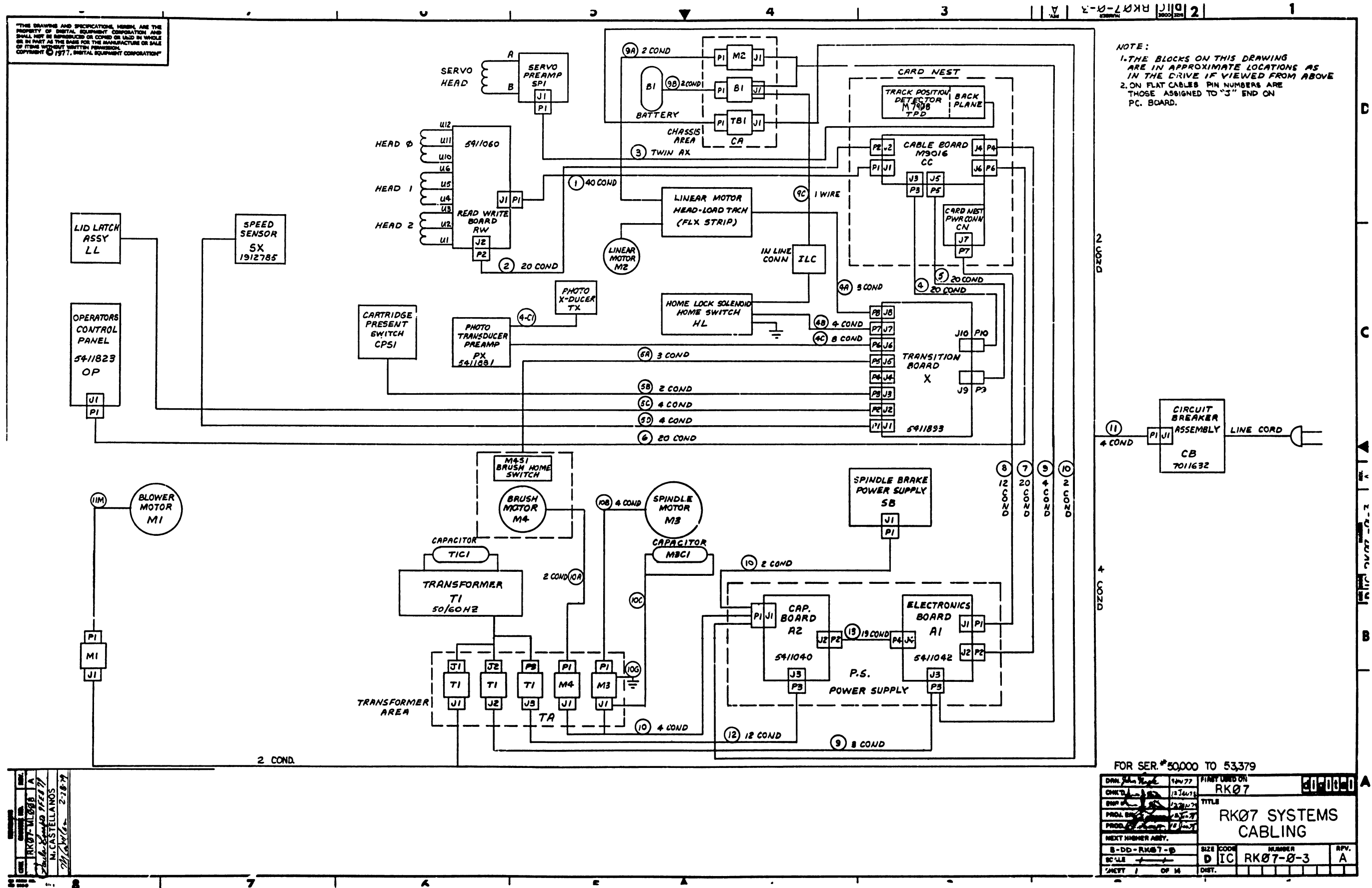
- * TWO M7706 BOARDS ONLY USED WITH DUAL ACCESS OPTION, OTHERWISE ONLY ONE IS USED AS FOLLOWS:
IN SLOT 2 WHEN B ACCESS SELECTED.
IN SLOT 3 WHEN A ACCESS SELECTED.
- * DUAL PORT LOGIC BOARD USED WITH DUAL ACCESS OPTION.

M7908	TRK ERR ☒ TRK ERR GAIN	TRK ERR ZERO	M7908
M7906	RUN ☒ MAINT SW2	OFFSET ADJ ☒ VEL ADJ ☒ MAINT ☒ RUN SW1	M7906
M7907	CLY ADDR 2 ⁹ 2 ⁸ 2 ⁷ 2 ⁶ 2 ⁵ 2 ⁴ 2 ³ 2 ² 2 ¹ 2 ⁰	OFFSET HDS RTZ LD HDS FWD REV	M7907
M7705	UNLD HDS BRUSHES	SPEED ADJ ☒ SPEED OK	M7705
M7730*	A PORT SEL B PORT REQ	INV ☒ NORM PORT B ADDR SW	M7730*
M7706*		DR. SEL. A	M7706*
M7706*		DR. SEL. B	M7706*
M9016			M9016

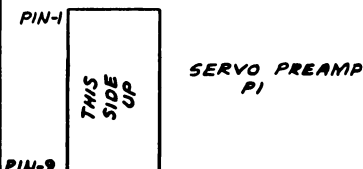
QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO	ITEM NO
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 10° 30°		CLASS OF ACCURACY		NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN		(CHECK ONE)		OVER 0 TO 12.0	
✓ MEDIUM		PREFERRED		12.0 TO 40.0	
MICROINCHES		± 0.04 ± 0.08 ± 0.12 ± 0.16 ± 0.24 ± 0.4		40.0 TO 80.0	
THIRD ANGLE PROJECTION		DRN. <i>[Signature]</i> 12.14.78		FIRST USED ON	
REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D <i>[Signature]</i> 12.14.78		RK07	
DO NOT SCALE DWG		ENG. <i>[Signature]</i> 12.14.78		TITLE	
MATERIAL		PROD. <i>[Signature]</i> 12.14.78		MODULE UTILIZATION	
FINISH		NEXT HIGHER ASSY.		LED & LOCATOR	
B-DD-RK07-0		SCALE		SIZE CODE NUMBER REV.	
1 OF 1		DIST.		D MU RK07-0-4	

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NOTE:
1. THE BLOCKS ON THIS DRAWING ARE IN APPROXIMATE LOCATIONS AS IN THE DRIVE IF VIEWED FROM ABOVE
2. ON FLAT CABLES PIN NUMBERS ARE THOSE ASSIGNED TO "3" END ON PC BOARD.



SIGNAL NAME	SERVO PREAMP (SPA) PIN	WIRE COLOR	CABLE NUMBER	M7708 BACK PLANE PIN TPD	REMARKS
+5V GND SVO PRE B SVO PRE COM SVO PRE A	SPI-J1/P1-2 SPI-J1/P1-3 SPI-J1/P1-6 SPI-J1/P1-7 SPI-J1/P1-8	ORN BLK BLU WHT CLEAR	③ TWIN AX SERVO PREAMP	SLOT 8 CD2 SLOT 8 CC2 SLOT 8 DP2 SLOT 8 DMT SLOT 8 DJ2	DRAIN



Hand-drawn schematic diagram of a mechanical assembly. The diagram is divided into two main sections by a horizontal line.

Top Section:

- TOP** (written above the section)
- FLEX STRIP** (written vertically next to a vertical strip of five circles)
- 5 4 3 2 1** (written vertically next to the circles, corresponding to the numbers 1 through 5)
- HLT** (written to the right of the circles)

Bottom Section:

- NYLON PULLEY** (written to the left of a rectangular block labeled **SOL**)
- 1 2** (written above the **SOL** block)
- STEEL** (written to the right of the **SOL** block)
- HL** (written below the **SOL** block)
- HOME LOCK SOLENOID** (written below the **SOL** block)
- M251** (written to the right of a rectangular block containing a diagram of a switch mechanism)
- HOME SWITCH** (written to the right of the **M251** block)
- BAN** (written below the **M251** block, with an arrow pointing down from it)
- PX** (written below a large rectangular box)
- PHOTO TRANSDUCER PREAMP BOARD S41081** (written below the **PX** box)

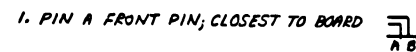
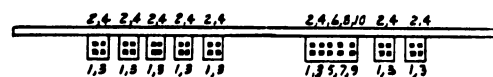
SIGNAL NAME	PHOTO TRANSDUCER WIRING				REMARKS
	PREAMP (PX)	WIRE COLOR	CABLE NUMBER	TRANSDUCER ASSEMBLY (TX)	
SIN X (E1)	PX-U5	YEL	 6 WIRES (PART OF PHOTO TRANS. ASSY)	TX-E1	
-COS-X (E2)	PX-U13	GRN		TX-E2	
LIM-X (E3)	PX-U3	VIO		TX-E3	
PHOTO DIODE (ATH (+SV))	PX-U11	BRN		TX-+5	
LED ANODE (+SV)	PX-U7	RED		TX-AN	
LED CATHODE	PX-U13	WHT		TX-CA	



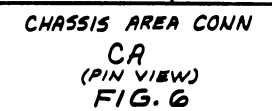
FOR SER. # 50,000 TO 53,379									
TITLE RK07 SYSTEMS			SIZE/DWG DIC		NUMBER RK07-0-3		REV A		
CABLING									
SCALE 1/4"		SHEET 2 OF 14		DST.					

SEC FORM NO
100 1-67

8

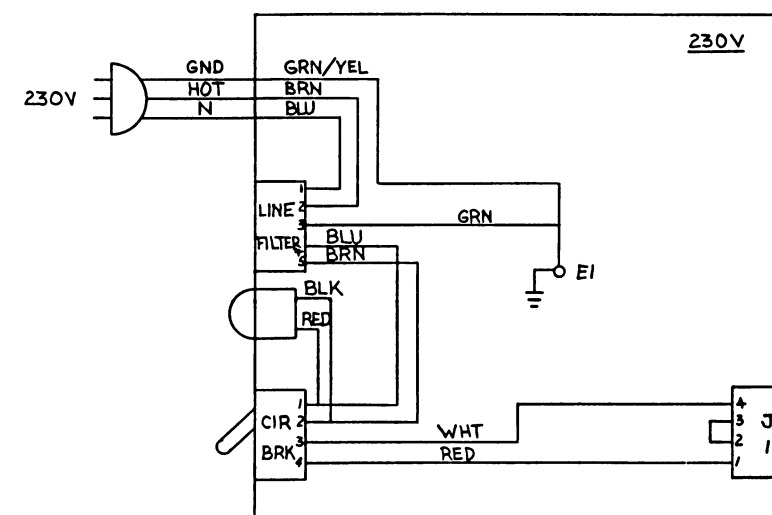
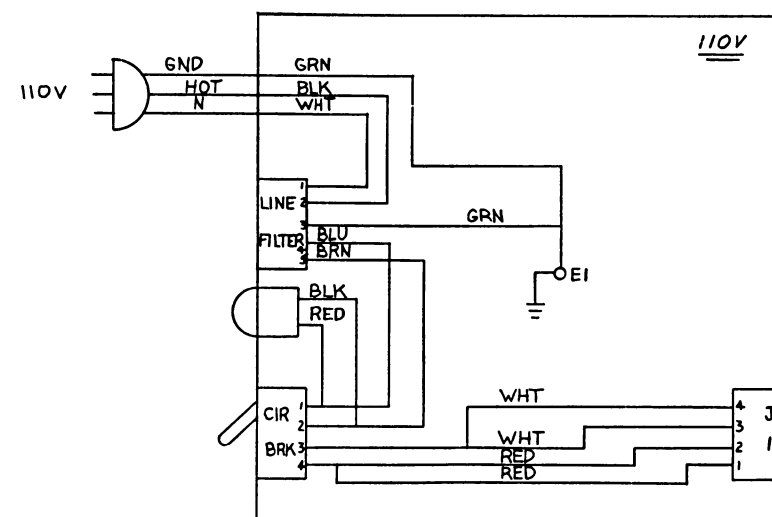

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FOR SER* 50,000 TO 53,379

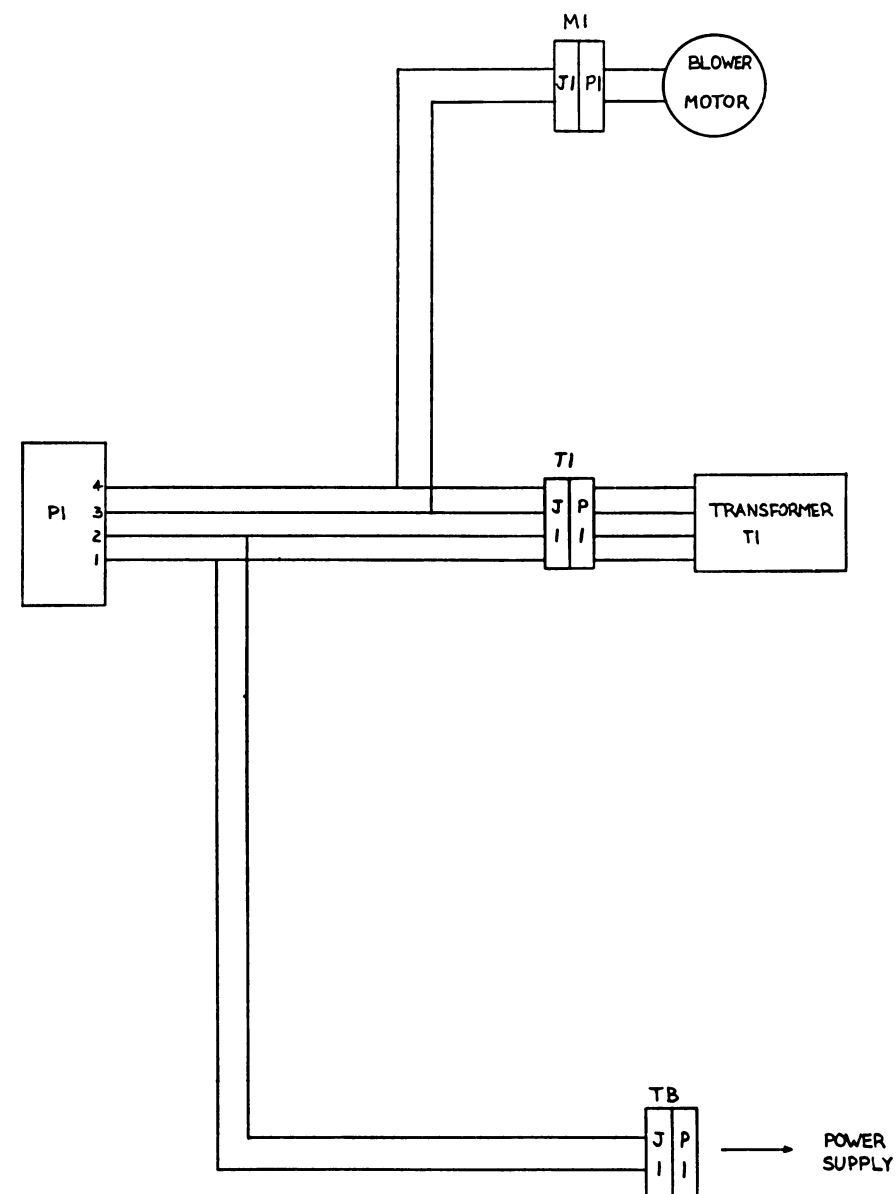


TITLE		RK07 SYSTEMS CABLING		SIZE	CODE	NUMBER		REV.
				D	IC	RK07-0-3		A
SCALE	1" = 1'	SHEET	5	OF	14	DIST.		

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CIRCUIT BREAKER
ASSY

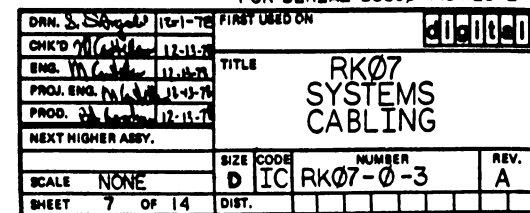


REVISIONS		
CHK	CHANGE NO	REV.

FOR 50,000 TO 53,379

TITLE RK07 SYSTEMS		SIZE CODE		NUMBER		REV	
CABLING		D	IC	RK07-0-3		A	
SCALE 1/1	SHEET 6 OF 4	DIST.					

REVISED		
CHK	CHANGE NO.	REV.



TITLE RK07
SYSTEMS
CABLING

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2 D I C RK07-0-3

SIGNAL NAME	CABLE CARD (CC) SLOT-1		CABLE NUMBER	R/W BOARD (RW) CABLE CONN. PIN	REMARKS
	BACK-PLANE PIN	CABLE CONN. PIN			
GND C		J1/P1-A	① 40 COND R/W (GREY)	P1/J1-UU	FOR R/W BOARD CONN. LAYOUT SEE SHEET 5 FIG. 1
GND C		J1/P1-B		P1/J1-VV	
CYL ADD 7 H	DN2	J1/P1-C		P1/J1-TT	
CYL ADD 6 H	DP2	J1/P1-D		P1/J1-SS	
		J1/P1-E		P1/J1-RR	
CYL ADD 8 H	DR1	J1/P1-F		P1/J1-PP	
+5B	DA2	J1/P1-H		P1/J1-NN	
+5B	DA2	J1/P1-J		P1/J1-MM	
+25B	DE2	J1/P1-K		P1/J1-LL	
+25B	DE2	J1/P1-L		P1/J1-KK	
GND C		J1/P1-M		P1/J1-JJ	
GND C		J1/P1-N		P1/J1-HH	
WR DATA L	DS2	J1/P1-P		P1/J1-FF	
GND C		J1/P1-R		P1/J1-EE	
WR GATE L	DV2	J1/P1-T		P1/J1-DD	
ALIGN SIGN+	DM1	J1/P1-U		P1/J1-CC	
ALIGN SIGN-	DN1	J1/P1-V		P1/J1-BB	
SET CURR. FAULT	DM2	J1/P1-W		P1/J1-AA	
SET HD FAULT L	DV1	J1/P1-X		P1/J1-Z	
SET MULT HD L	DL2	J1/P1-Y		P1/J1-X	
		J1/P1-Z		P1/J1-W	
GND B		J1/P1-AA	② 20 COND R/W (GREY)	P1/J1-V	FOR CABLE CARD CONN. LAYOUT SEE SHEET 5 FIG. 4
-15V	DE2	J1/P1-BB		P1/J1-U	
SET NO TRANS L	DK2	J1/P1-CC		P1/J1-T	
SET NO TRANS L	DK2	J1/P1-DD		P1/J1-S	
UNS TST	DJ2	J1/P1-EE		P1/J1-R	
		J1/P1-FF		P1/J1-P	
GND B		J1/P1-HH		P1/J1-N	
+15V	DE2	J1/P1-JJ		P1/J1-M	
+25A	DE2	J1/P1-KK		P1/J1-L	
+25A	DE2	J1/P1-LL		P1/J1-K	
+5A	DA2	J1/P1-MM		P1/J1-J	
+5A	DA2	J1/P1-NN		P1/J1-I	
		J1/P1-PP		P1/J1-H	
HD0 L	DE1	J1/P1-RR		P1/J1-G	
HD1 L	DH2	J1/P1-SS		P1/J1-F	
HD2 L	DF2	J1/P1-TT		P1/J1-E	
GND A		J1/P1-UU		P1/J1-D	
GND A		J1/P1-VV		P1/J1-C	
				P1/J1-B	
				P1/J1-A	

SIGNAL NAME	SERVO PREAMP (SPA) PIN	WIRE COLOR	CABLE NUMBER	M7708 BACKPLANE PIN (TPD)	REMARKS
+15V	SPI-J1/P1-2	ORN	③ TWINAX SERVO PREAMP	SLOT 8 CD2	DRAIN
GND	SPI-J1/P1-3	BLK		SLOT 8 CC2	
SVO PRE B	SPI-J1/P1-6	BLU		SLOT 8 DP2	
SVO PRE COM	SPI-J1/P1-7	WHT		SLOT 8 DMT	
SVO PRE A	SPI-J1/P1-8	CLEAR		SLOT 8 DJ2	

PIN-1
THIS SIDE UP
PIN-9

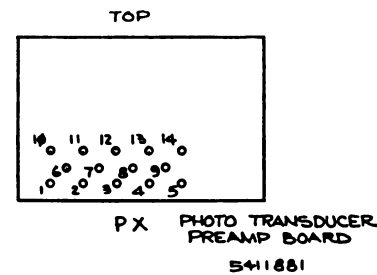
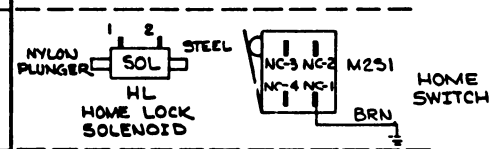
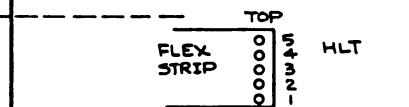
SERVO PREAMP P1

XPG					XP7			XP8		
A	C	E	H	K	M	P	S	U	W	
O	O	O	O	O	O	O	O	O	O	
2	4	6	8	10	12	2	4	6	8	
B	D	F	J	L	N	R	T	V	X	
O	O	O	O	O	O	O	O	O	O	
1	3	5	7	9	11	1	3	5	7	

CONNECTOR TX-10

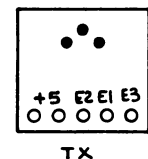
AS VIEWED FROM SIDE AND TOP OF DRIVE THE 20 PIN CABLE ON BOTTOM THE THREE XP CABLES ON TOP

SIGNAL NAME	CABLE CARD (CC) SLOT-1		CABLE NUMBER	CONNECTOR TX-10		WIRE COLOR	CABLE NUMBER	TERMINAL	REMARKS
	BACK-PLANE PIN	CABLE CONN. PIN		CONN	CONN				
HD LD #2 (BUCKING)	CR2	J3/P3-A	④	P/J10-X	J/P8-3	YEL	④A 3 COND HEAD LOAD TACH	HLT-5	
HD LD COMMON	CS2	J3/P3-B		P/J10-W	J/P8-4	GRY		HLT-4	
HD LD #1 (TACH)	CP2	J3/P3-C		P/J10-V	J/P8-1	GRN		HLT-3	
GND		J3/P3-D		P/J10-U	J/P8-2	-		-	
HOME L	CN2	J3/P3-E	20 COND (GREY)	P/J10-T	J/P7-3	ORN	④B 4 COND HOME SW HOME LOCK	HLM2S1-4	
+25V	CE2	J3/P3-F		P/J10-S	J/P7-4	VIO		HLSOL-1	
HOME LOCK RELEASE L	CM2	J3/P3-H		P/J10-R	J/P7-1	YEL		HLSOL-2	
GND		J3/P3-J		P/J10-P	J/P7-2	BLK		HLM2S1-3	
LIM PA (SEE NOTE)	CL2	J3/P3-K	POSITIONER AREA SEE PAGE 5 FIG. 4 FOR CABLE CARD CONN. LAYOUT	P/J10-N	J/P6-11	VIO	④C 8 COND PHOTO TRANSDUCER	PXU12	
GND		J3/P3-L		P/J10-M	J/P6-	-		PXU9	
+COS PA	CK2	J3/P3-M		P/J10-L	J/P6-9	GRN		PXU14	
GND		J3/P3-N		P/J10-K	J/P6-	-		PXU4	
-SIN PA	CJ2	J3/P3-P		P/J10-J	J/P6-7	YEL		PXU6	
GND		J3/P3-R		P/J10-I	J/P6-	-		PXU8	
		J3/P3-S		P/J10-H	J/P6-	-		PXU1	
+15V	CD2	J3/P3-T		P/J10-G	J/P6-6	ORN		PXU2	
LED CATHODE	CH1	J3/P3-U		P/J10-F	J/P6-3	WHT			
-15V	CB2	J3/P3-V		P/J10-E	J/P6-4	BLU			
GLASS XDR COM (GND)	CF1	J3/P3-W		P/J10-D	J/P6-1	BLK			
+5V	CA2	J3/P3-X		P/J10-C	J/P6-2	RED			



SIGNAL NAME	CABLE CARD (CC) SLOT-1		CABLE NUMBER	R/W BOARD (RW) CABLE CONN. PIN	REMARKS
	BACK-PLANE PIN	CABLE CONN. PIN			
+15	DD2	J2/P2-A	② 20 COND R/W (GREY)	P2/J2-X	FOR R/W BOARD CONN. LAYOUT SEE SHEET 5 FIG. 1
+15	DD2	J2/P2-B		P2/J2-W	
GND D		J2/P2-C		P2/J2-V	
GND D		J2/P2-D		P2/J2-U	
-5	DR2	J2/P2-E		P2/J2-T	
-5	DR2	J2/P2-F		P2/J2-S	
GND		J2/P2-H		P2/J2-R	
GND		J2/P2-J		P2/J2-P	
+5C	DA2	J2/P2-K		P2/J2-N	
+5C	DA2	J2/P2-L		P2/J2-M	
GND D		J2/P2-M		P2/J2-L	
GND D		J2/P2-N		P2/J2-K	
WR GATE L	CV1	J2/P2-P		P2/J2-J	
GND D		J2/P2-R		P2/J2-H	
RD DATA 2 L	CU2	J2/P2-S		P2/J2-G	
GND D		J2/P2-T		P2/J2-F	
RD DATA 1 L	CU1	J2/P2-U		P2/J2-E	
GND D		J2/P2-V		P2/J2-D	
GND D		J2/P2-W		P2/J2-C	
GND D		J2/P2-X		P2/J2-B	
				P2/J2-A	

SIGNAL NAME	PHOTO TRANSDUCER WIRING				REMARKS
	PREAMP (PX)	WIRE COLOR	CABLE NUMBER	TRANSDUCER ASSEMBLY (TX)	
SIN X (E1)	PX-U5	YEL	④C1 6 WIRES (PART OF PHOTO TRANS ASSY)	TX-E1	SEE NOTE
-COS-X (E2)	PX-U13	GRN		TX-E2	
LIM-X (E3)	PX-U3	VIO		TX-E3	
PHOTO DIODE CATH (+5V)	PX-U11	BRN		TX-A5	
LED ANODE (+5V)	PX-U7	RED		TX-AN	
LED CATHODE	PX-U10	WHT		TX-CA	

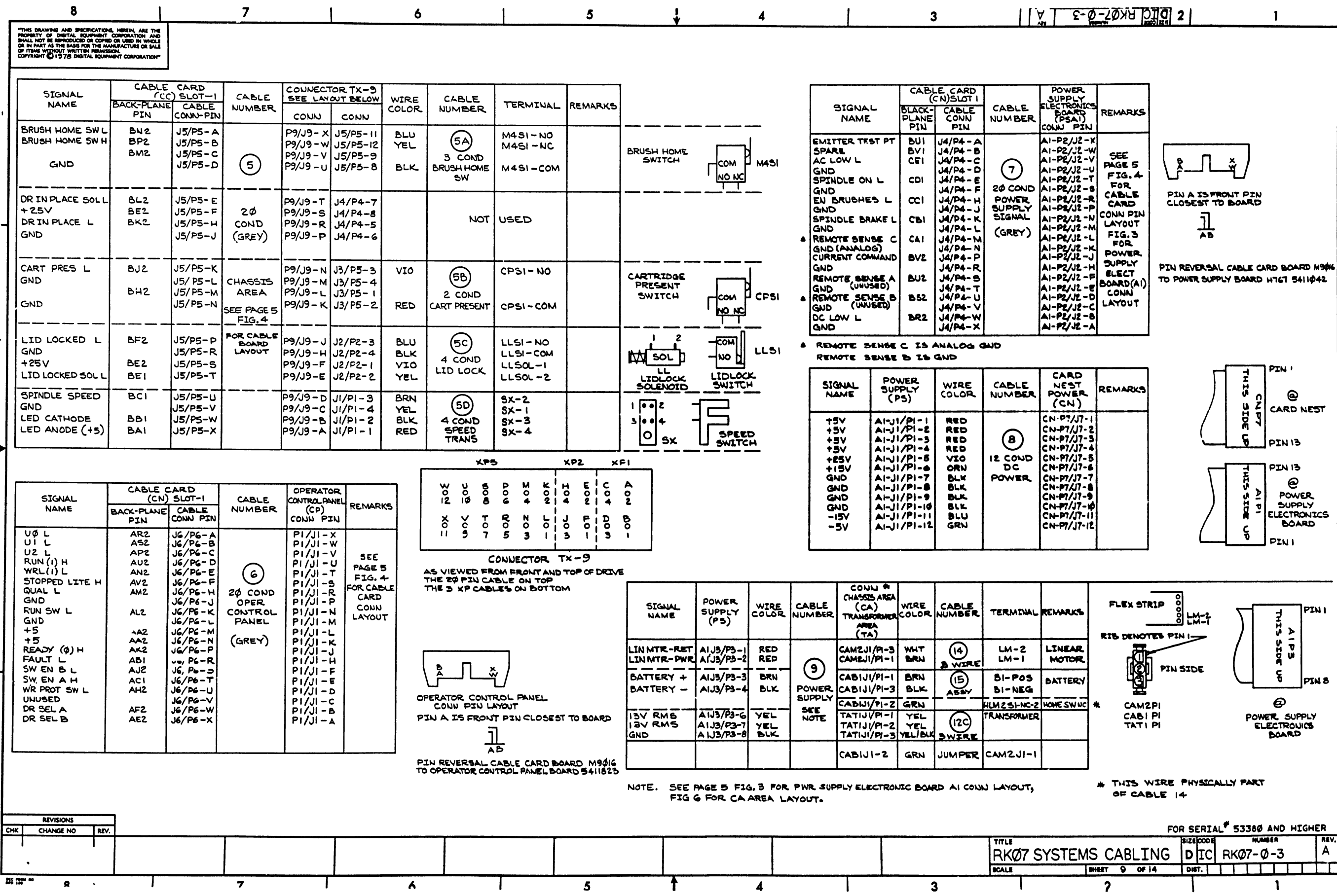


NOTE:
ON SOME RK07'S THE LIMPA CHANNEL HAS BEEN ELIMINATED AS NOT REQUIRED FOR RK07 THEREFORE THESE INTERCONNECTIONS WILL NOT EXIST

REVISIONS		
CHK	CHANGE NO.	REV.

FOR SERIAL # 53380 AND HIGHER

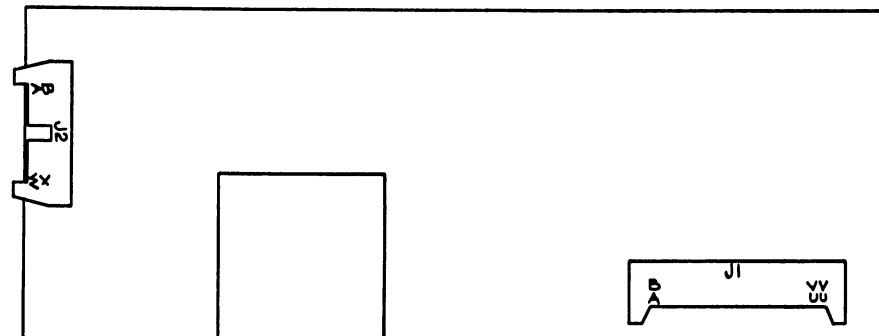
TITLE		SIZE CODE	NUMBER	REV.
RK07 SYSTEMS CABLING		D I C	RK07-0-3	A
SCALE	SHEET 8 OF 14	DRY.		



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DIC RK07-0-3 2

FIG. 1

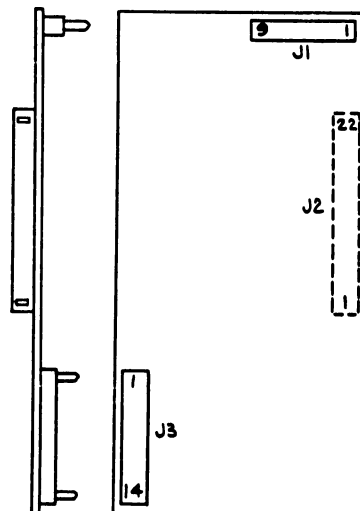


R/W BOARD CONNECTOR LABELING

NOTE: PIN A FRONT PIN, CLOSEST TO BOARD

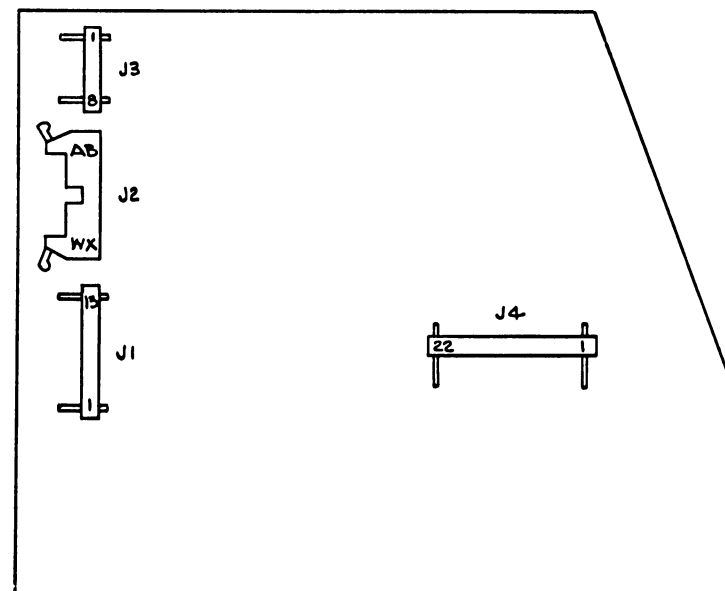
AB

FIG. 2



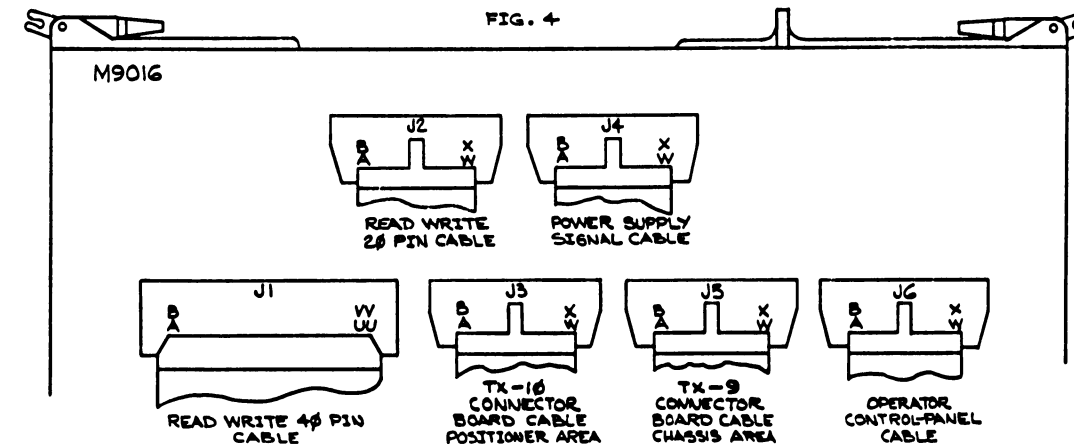
POWER SUPPLY
CAP BOARD
A2

FIG. 3



H767 POWER SUPPLY BOARD
A1

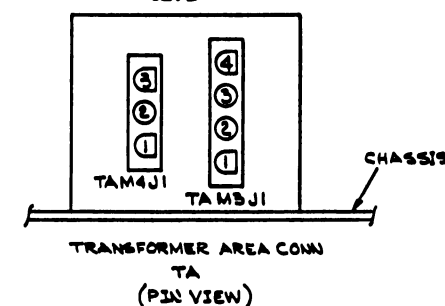
FIG. 4



NOTE: PIN A FRONT PIN, CLOSEST TO BOARD

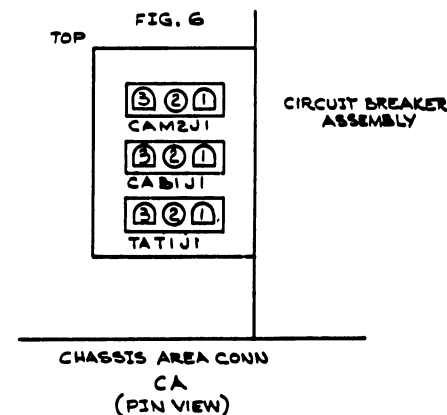
AB

FIG. 5



TRANSFORMER AREA CONN
TA
(PIN VIEW)

FIG. 6



CHASSIS AREA CONN
CA
(PIN VIEW)

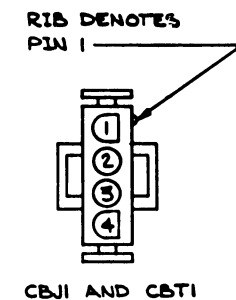
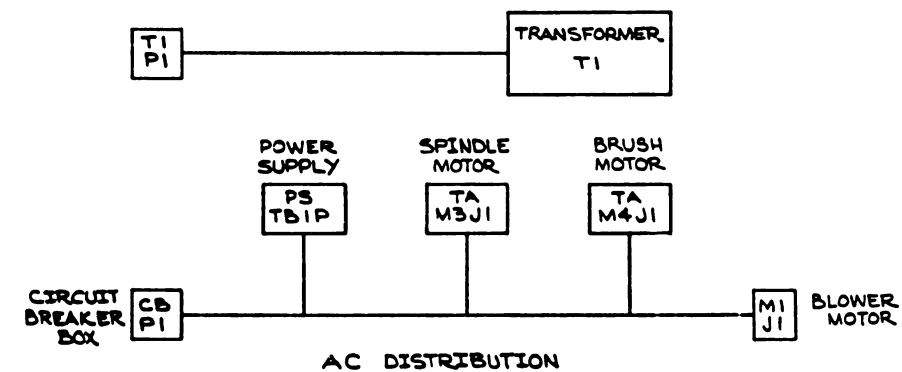
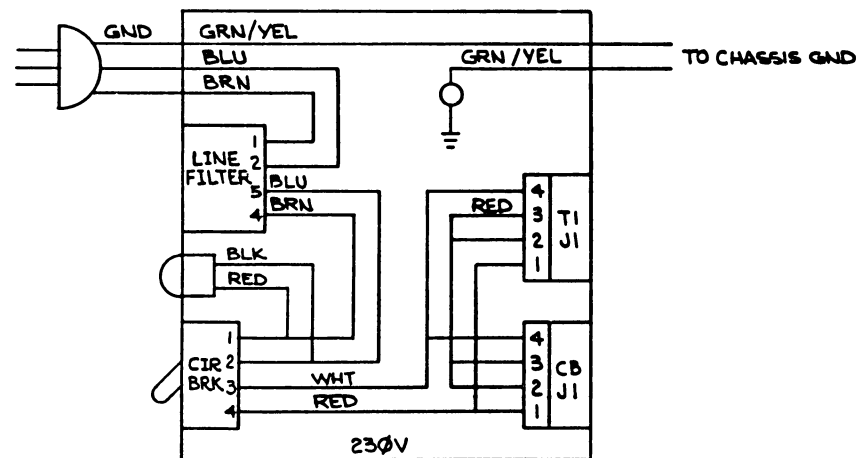
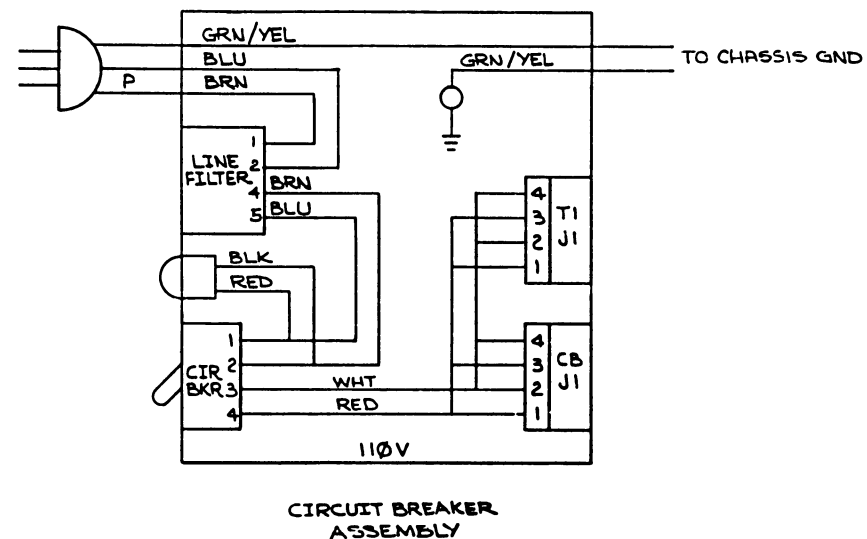
CIRCUIT BREAKER
ASSEMBLY

FOR SERIAL # 53380 AND HIGHER

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE/COORD		NUMBER		REV.
RK07 SYSTEMS CABLING		D IC		RK07-0-3		
SCALE		SHEET 11 OF 14		DST.		

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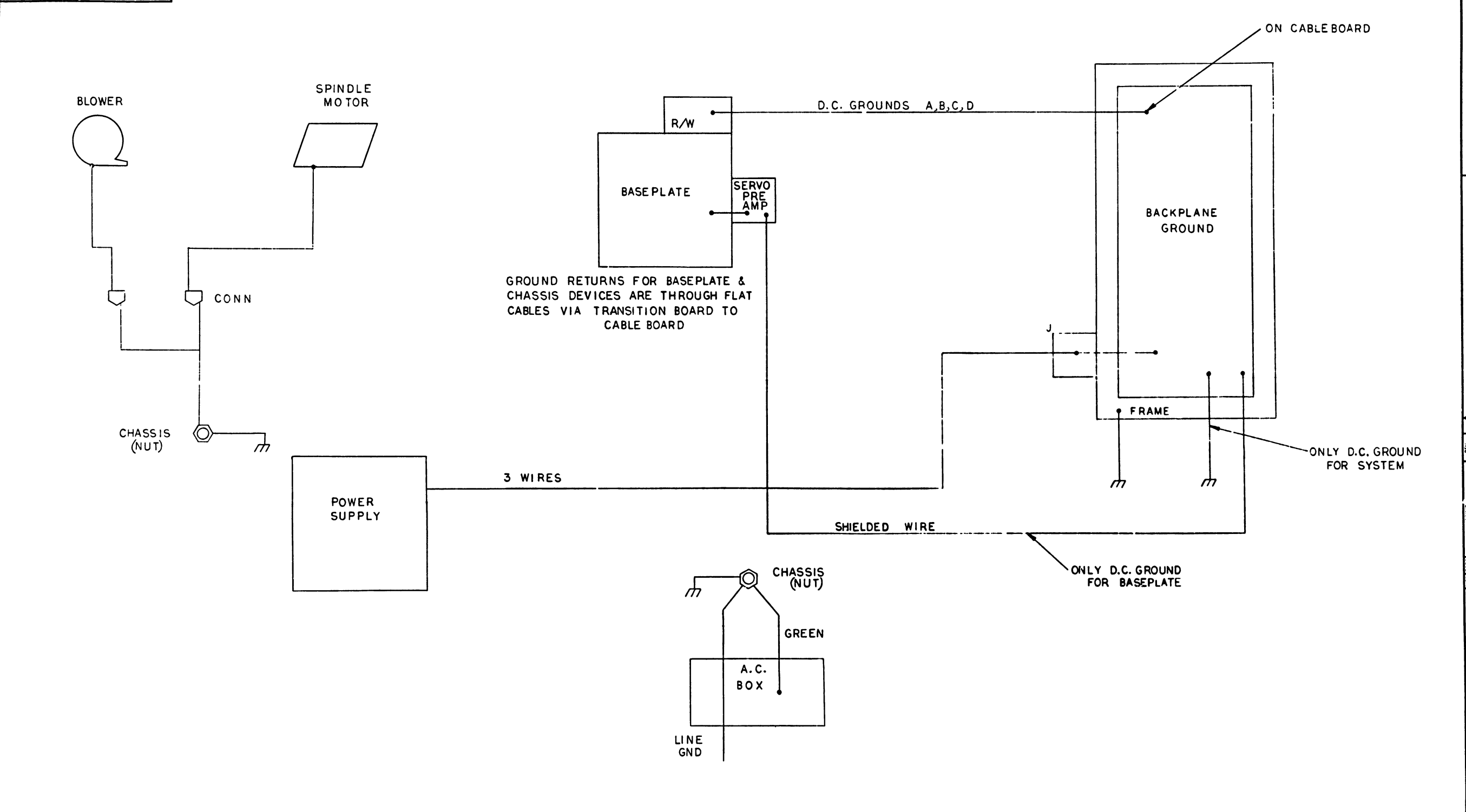


REVISIONS		
CHK	CHANGE NO.	REV.

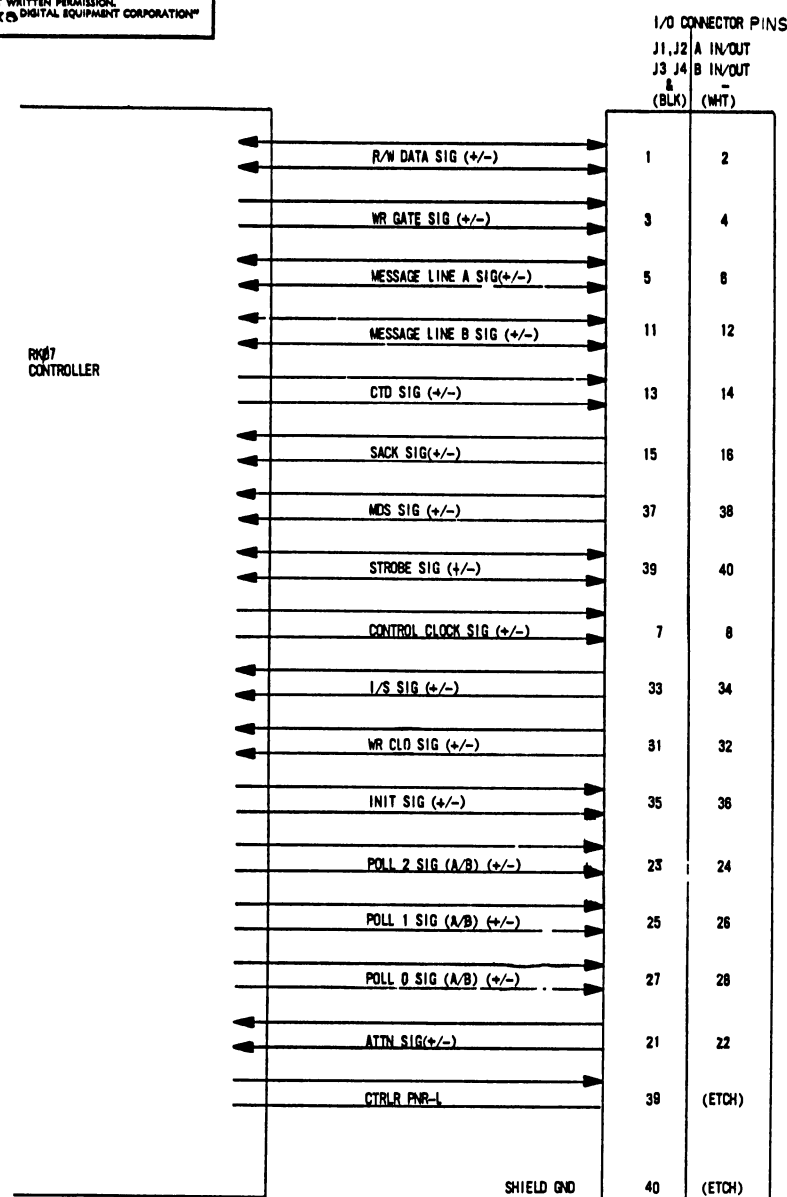
FOR SERIAL 53380 AND HIGHER

TITLE		SIZE	CODE	NUMBER	REV.
RK07 SYSTEMS CABLING		D	IC	RK07-0-3	A
SCALE	SHEET	12	OF	14	DIST.

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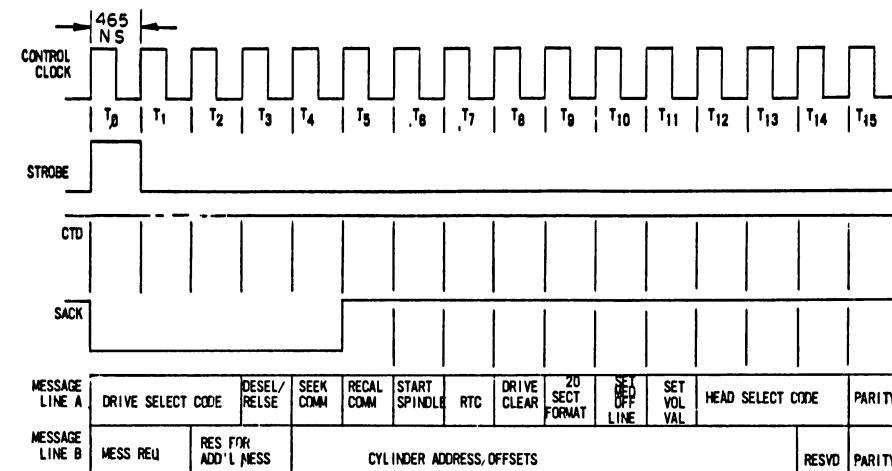


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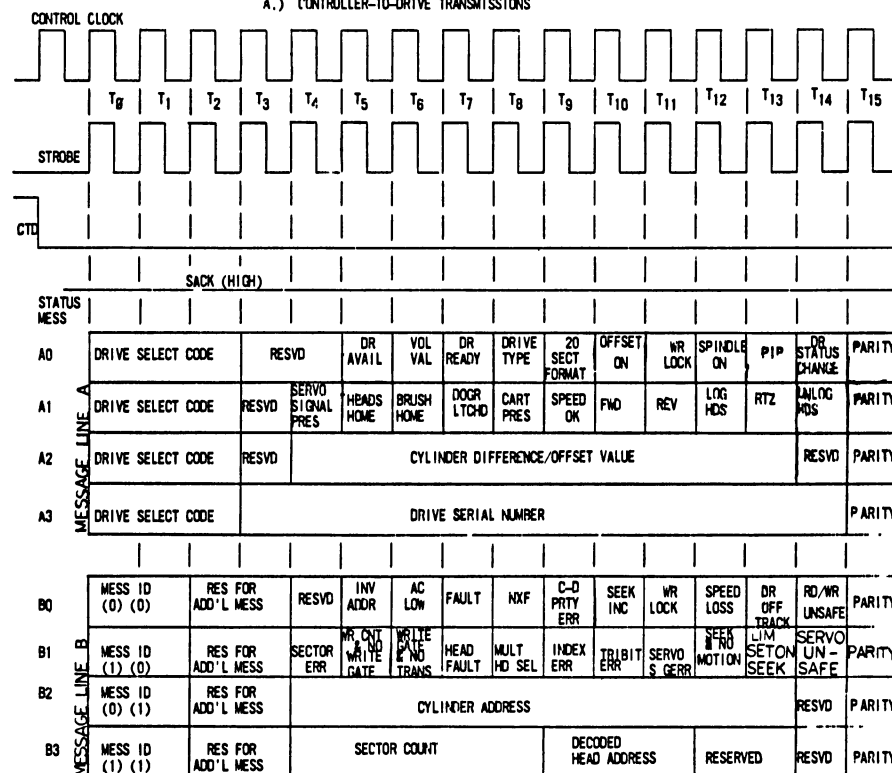


NOTE:

1. DUAL LINES INDICATE SIGNALS ARE DIFFERENTIAL PAIRS.
2. ARROWS INDICATE SIGNAL DIRECTIONS.



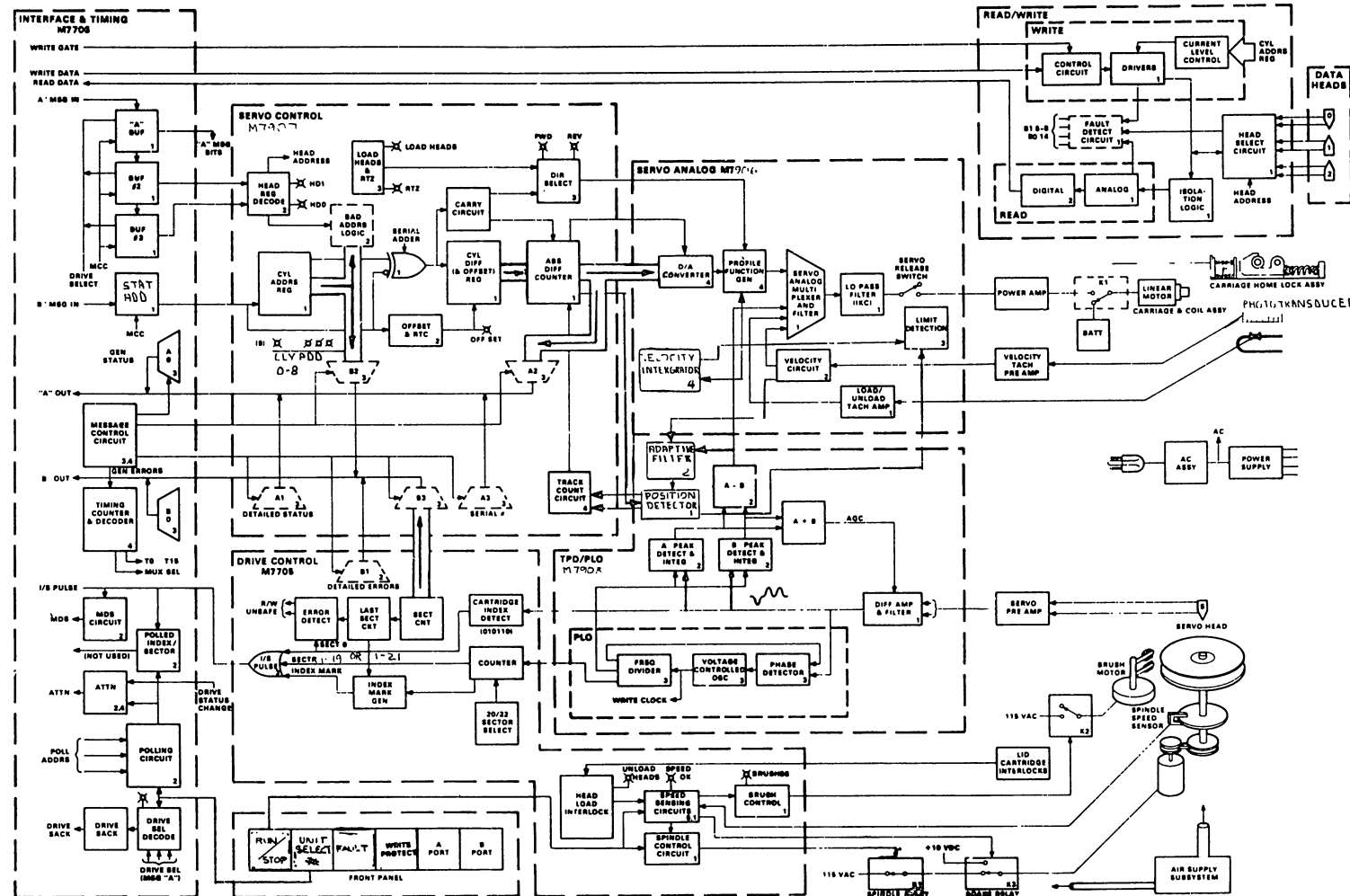
A.) CONTROLLER-TO-DRIVE TRANSMISSIONS



B.) DRIVE-TO- CONTROLLER TRANSMISSIONS

DRN	Goodrich	1/6/78	FIRST USED ON	RK07		digit
CHK'D	Ma Halls	1/6/78	TITLE	INTERFACING TIMING & STATUS		
ENG.	W. J. ...	1 Jan 78				
PROJ. ENG.	...	7/26/78				
PROD.	...	1/26/78				
NEXT HIGHER ASSY.						
B-DD-RK07-0			SIZE	CODE	NUMBER	REV.
SCALE			D	TD	RK07-0-9	
SHEET			DIST			
OF						

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REVISIONS		REV
CHK	CHANGE NO	

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.	
RK07		PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN. John Nagle	DATE 9 JAN 78	digital EQUIPMENT CORPORATION MAYFIELD MASSACHUSETTS		
TOLERANCES		CHKD. Sam Spind	DATE 12 JAN 78			
DECIMALS	ANGLES	ENG. Sam Spind	DATE 12 JAN 78			
.xxx = .005	° 0 30'	PROJ. ENR. J. Dawson	DATE 13 JAN 78			
.xx = .02		PROJ. J. Dawson	DATE 13 JAN 78	TITLE FUNCTIONAL BLOCK DIAGRAM		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y						
MATERIAL		NEXT HIGHER ASSY.				
—//—		B-DD-RK07-0		SIZE CODE	NUMBER	REV.
FINISH		SCALE		C	BD	RK07-0-10
—//—		SHEET 1 OF 1		DIST.		

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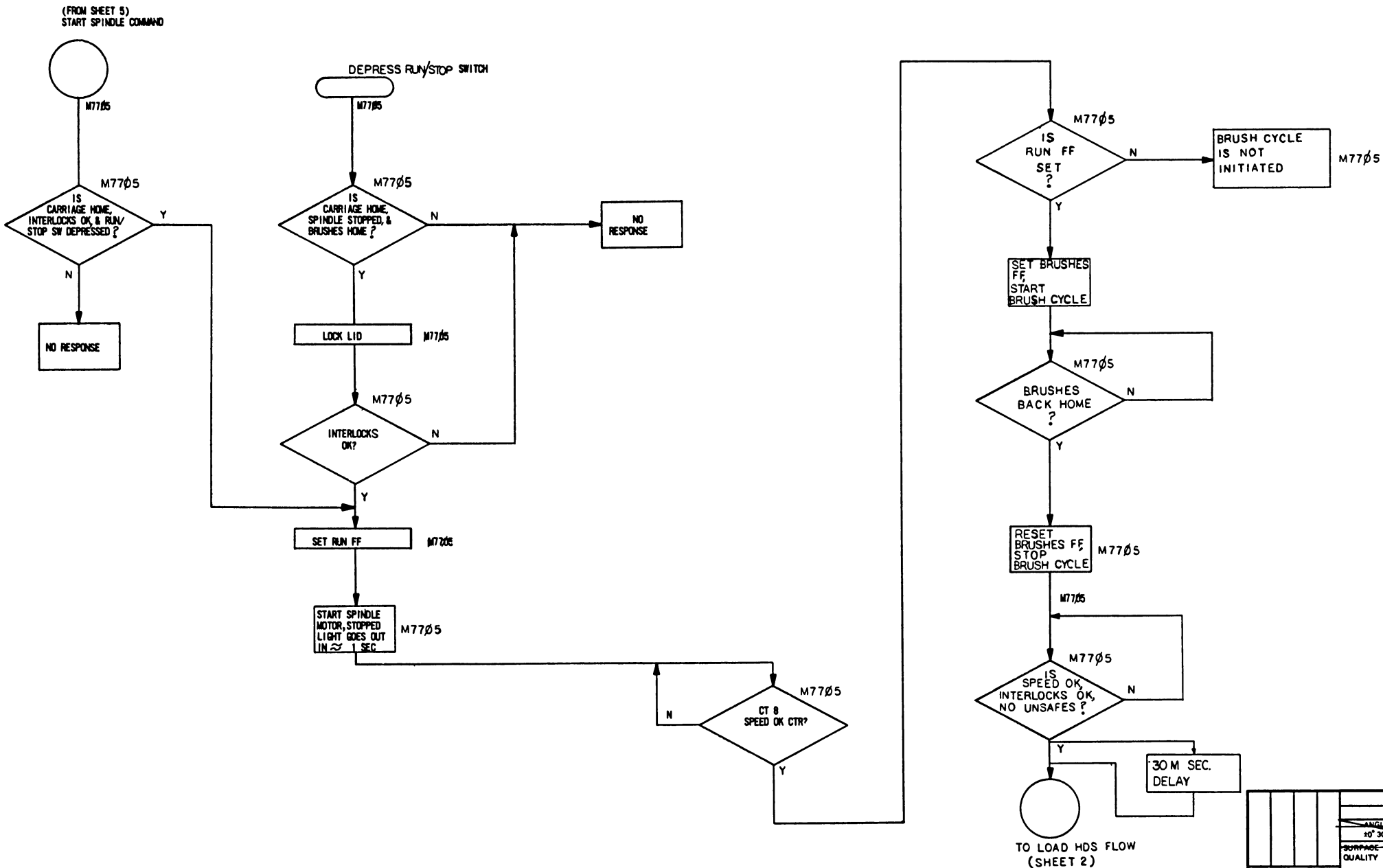
NOTE:

* FOR RK07 ONLY.

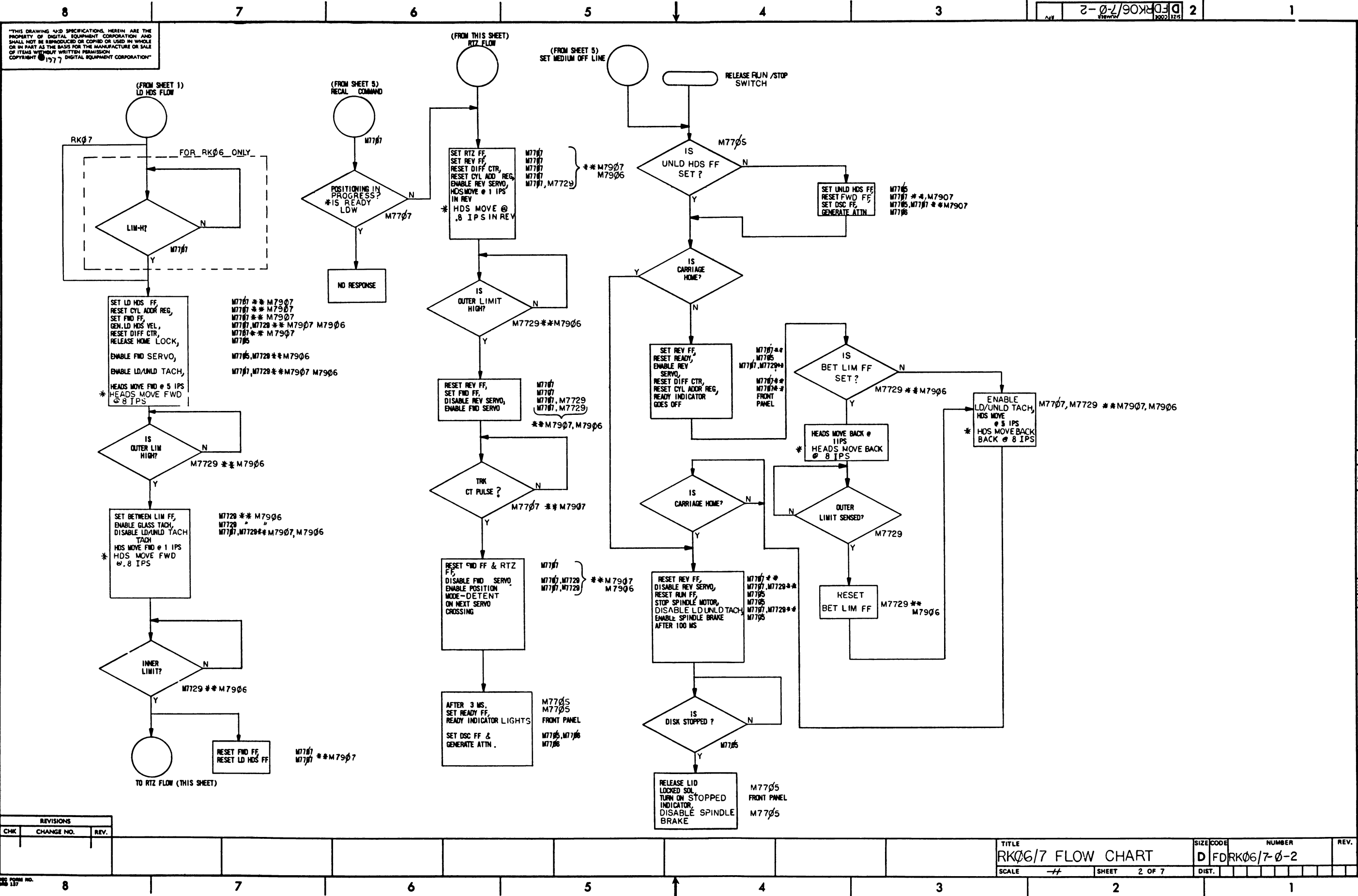
** FOR RK07:

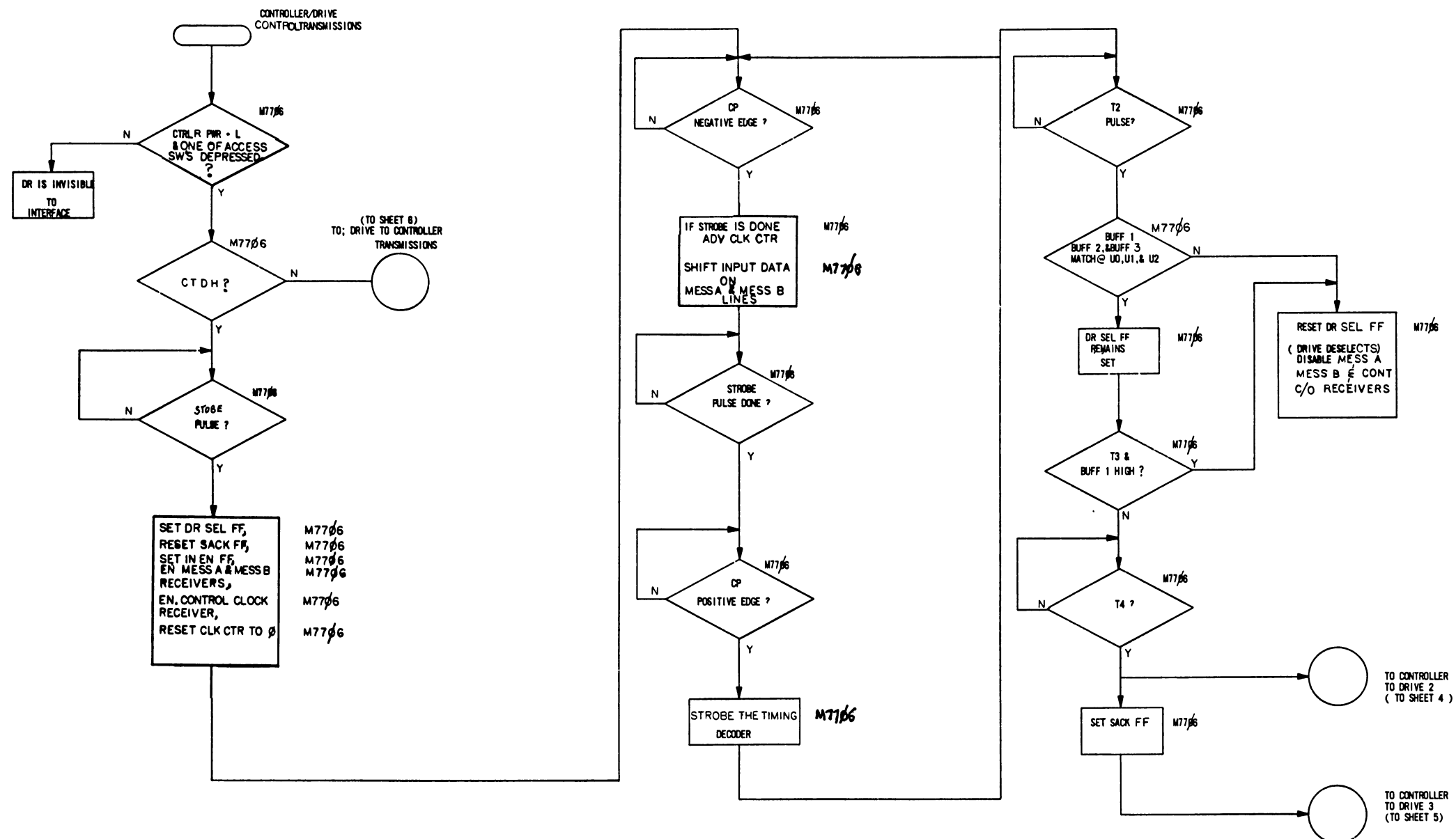
M7707 IS REPLACED WITH M7907

M7729 IS REPLACED WITH M7906

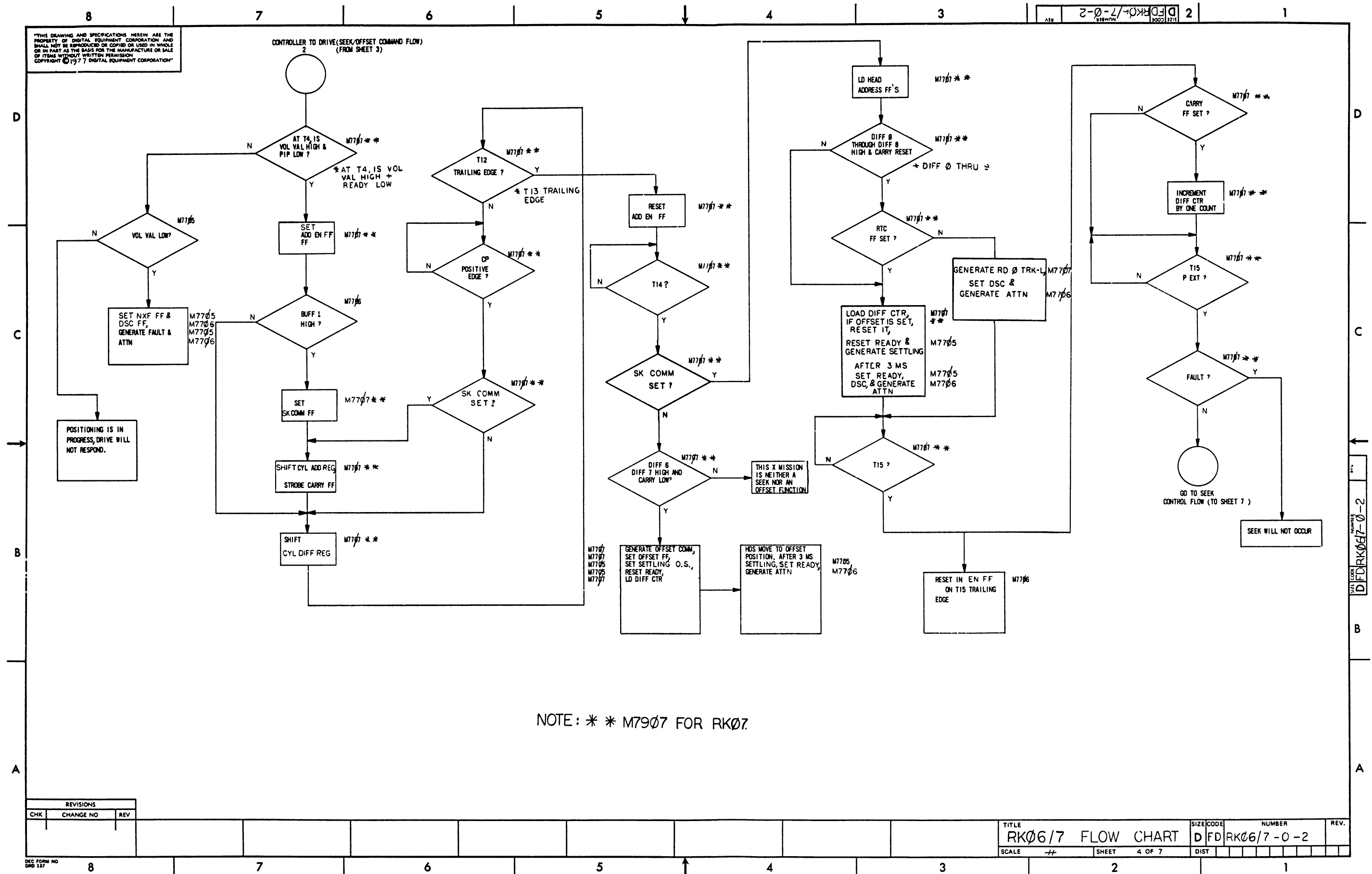


THIRD ANGLE PROJECTION		QUANTITY & VARIATION		DESCRIPTION		DWG / PART NO		ITEM NO	
REMOVE BURRS AND BREAK SHARP CORNERS		DO NOT SCALE DWG		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NOMINAL DIMENSION RANGE IN INCHES			
MATERIAL		FINISH		CLASS OF ACCURACY		SURFACE QUALITY		MICROFINISH	
B-DD-RK07-0		++		CHECK ONE		MEDIUM		PREFERRED	
SCALE		SHEET 1 OF 7		DRN. 15 Dec 77		CHK'D 12 Jan 78		ENG. 12 Jan 78	
NEXT HIGHER ASSY.		B-DD-RK07-0		PROJ. ENG. 15 Jan 78		PROD. 15 Jan 78		FIRST USED ON	
B-DD-RK07-0		++		RK06		RK06/7		FLOW CHART	
SIZE CODE		NUMBER		REV.		DIST			
D		FD		RK06/7-0-2					

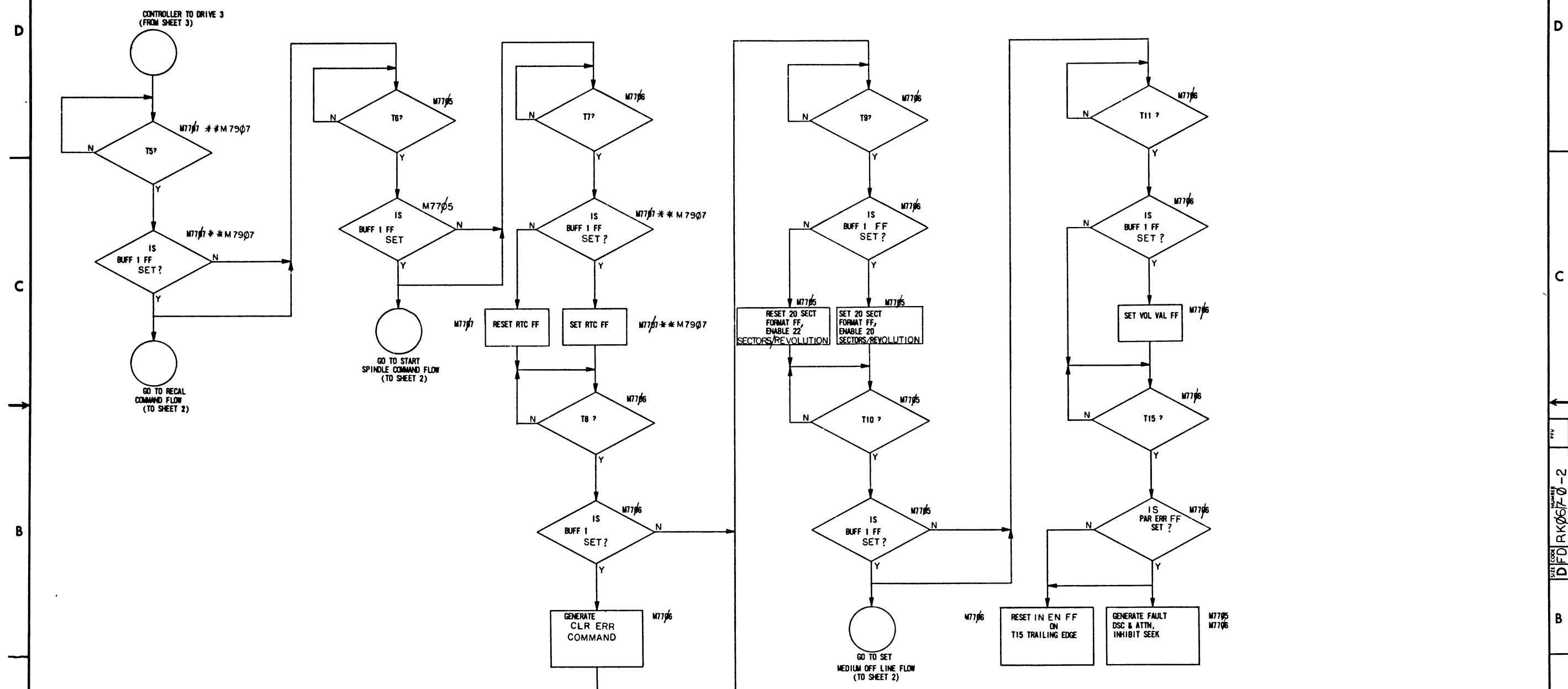




REVISIONS		
CHK	CHANGE NO	REV.



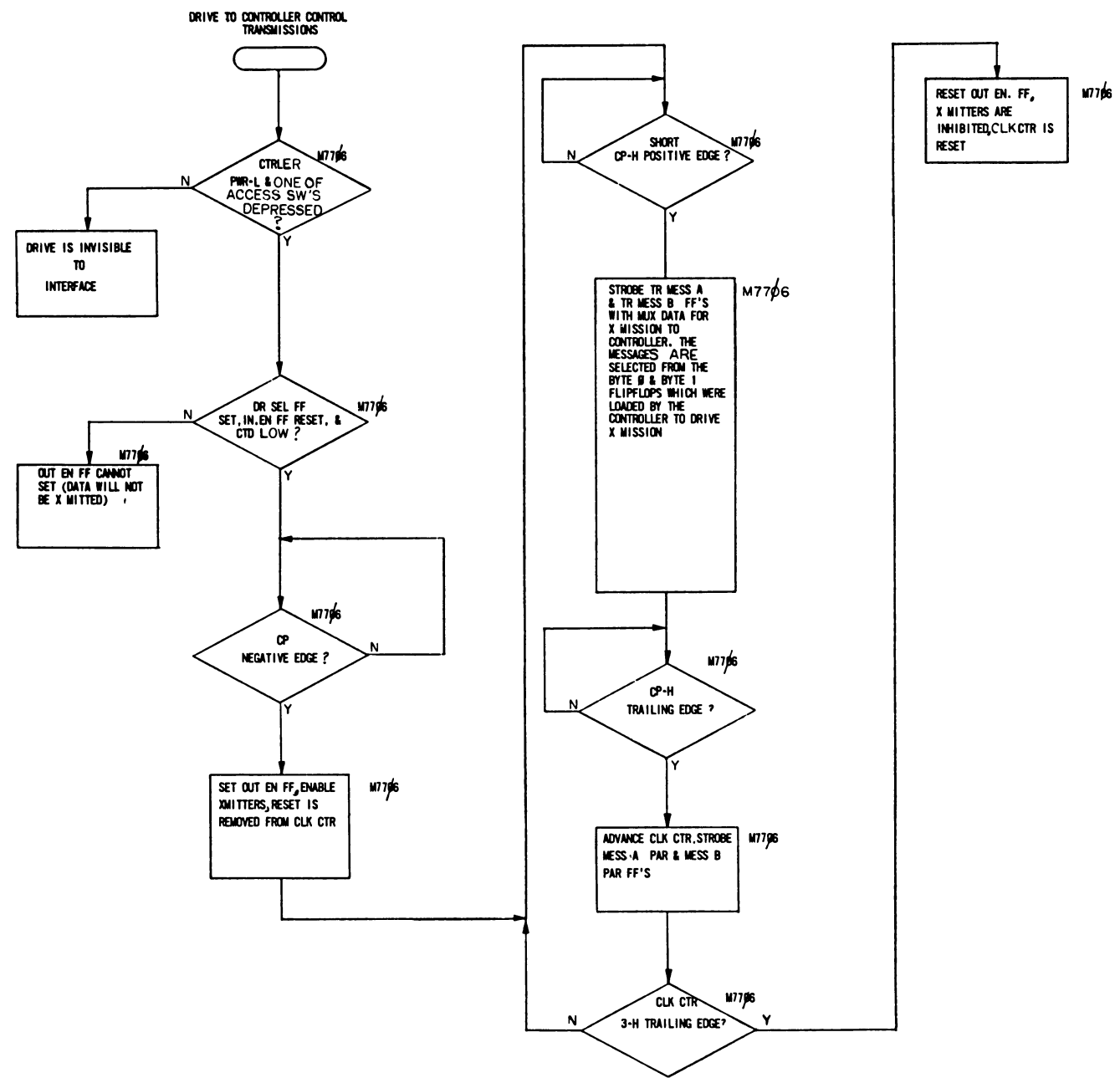
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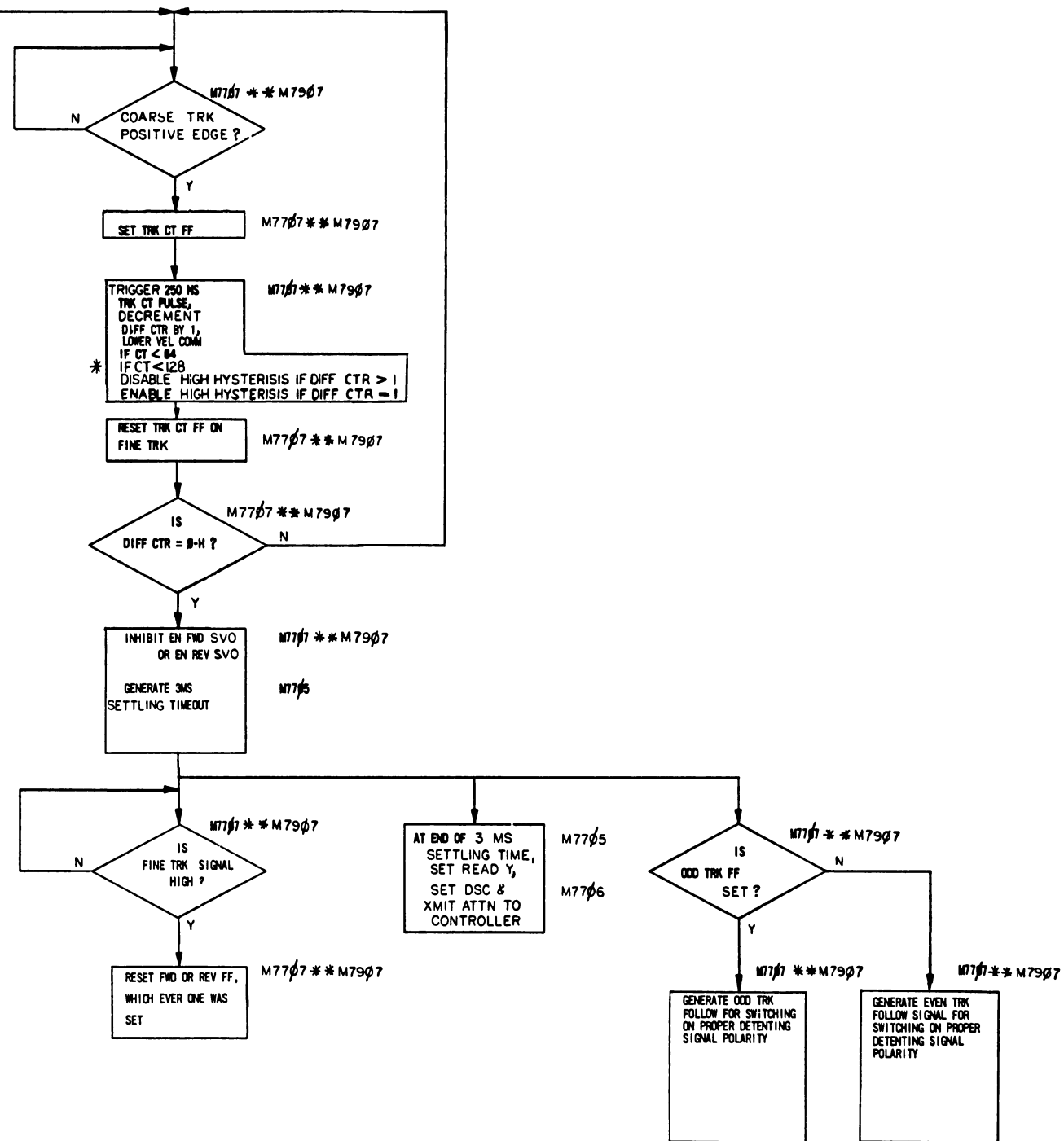
REVISIONS		
CHK	CHANGE NO	REV

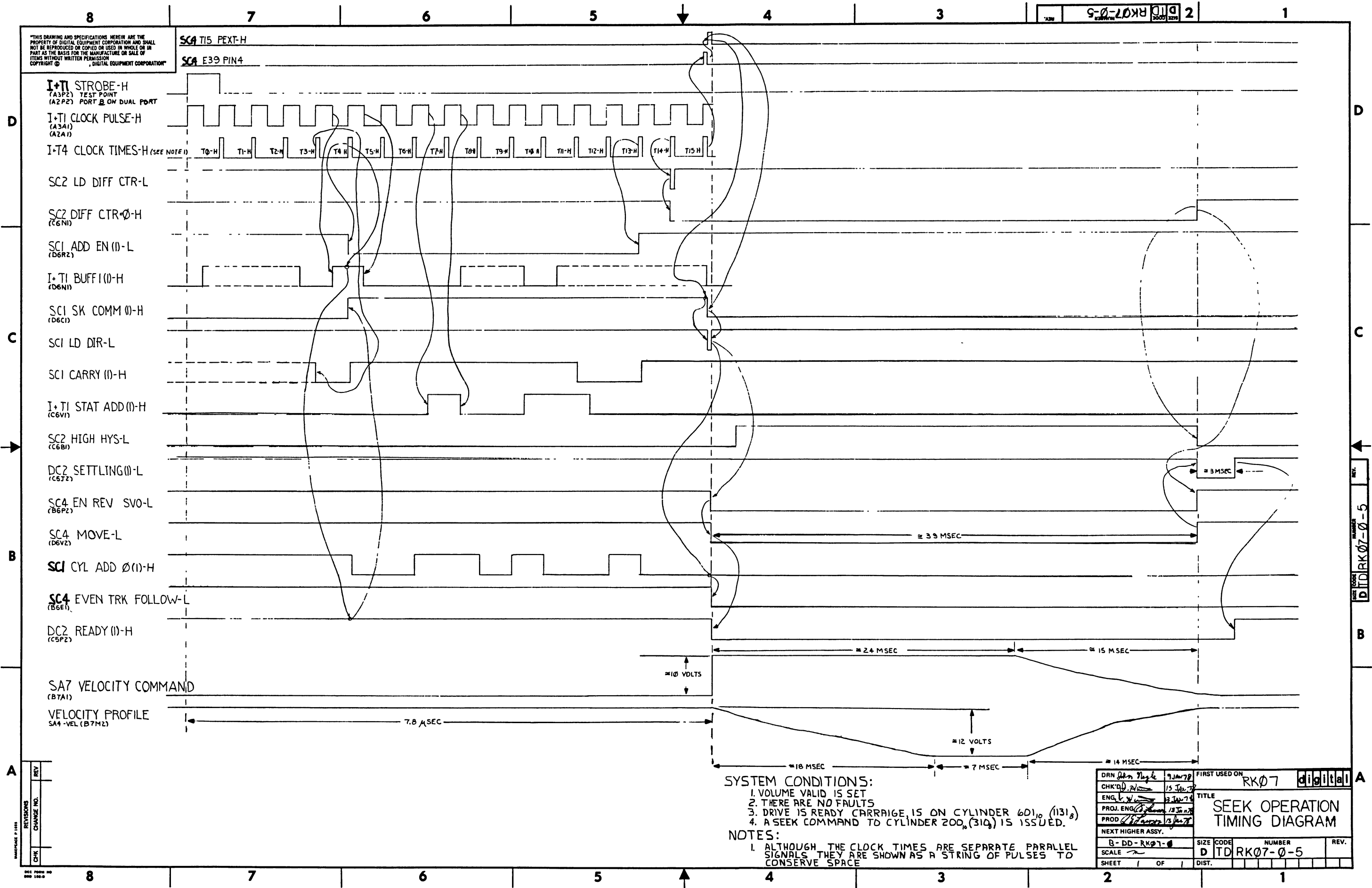
TITLE		SIZE		CODE		NUMBER		REV.	
RK06/7FLOW CHART		D		FD		RK06/7-0-2			
SCALE --		SHEET 5 OF 7		DIST.					

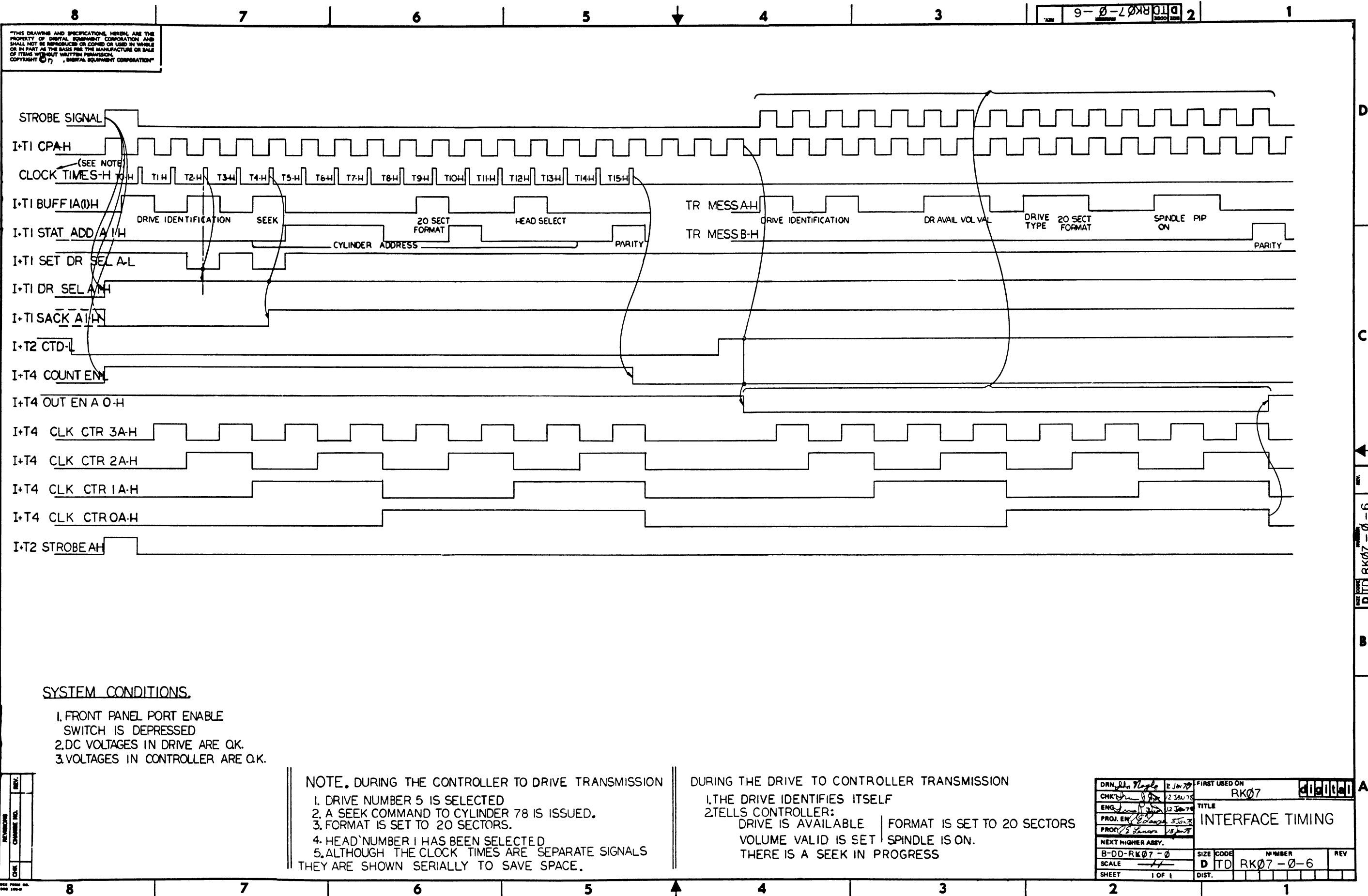
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REVISIONS		
CHK	CHANGE NO	REV







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DC1 RUN(I)-L
DC1 RUN(I)-H (DSP2) TEST POINT

C/N I/O RUN SW-L
(DSJ2)

DC1 CHANGE RUN SW-L
(BSB1)

C/N I/O SPINDLE SPEED
(CSR2)

DC5 SPEED OK-H
(DSS2)

DC5 STOPPED(I)-H
(DSC5)

C/N I/O BRUSH HOME-L
(DSV2)

DC1 UNLD HDS(I)-L
(DSC1)

SC3 LD HDS(I)-H
(B6D2)

SC3 EN FWD SVO-L
(B6H1)

SC4 EN REV SVO-L
(B6P2)

C/N I/O HOME-L
(DSU2)

SA5 OUTER LIMIT(I)-H
(D7E2)

SA5 INNER LIMIT(I)-H
(D7B1)

SC3 RTZ(I)-H

SC4 TRK CT(I)-H

DC2 SETTLING(I)-L
(CSJ2)

DC2 READY(I)-H
(CSP2)

SC4 EN LD/UNLD TACH-L
(AGE1)

BRUSH MOTOR ENERGIZES
(DC5 CLOCK BRUSHES-H)

BRUSH CYCLE
≈ 11 SEC

BRUSH SWITCH TOGGLES

CARRIAGE MOVES FOWARD
≈ 3.2 SEC

CARRIAGE MOVES BACKWARDS
≈ 3 SEC

815 TRACK COUNTS

815 TRACK COUNTS

≈ 3 M SEC

DRIVE START UP TIMING

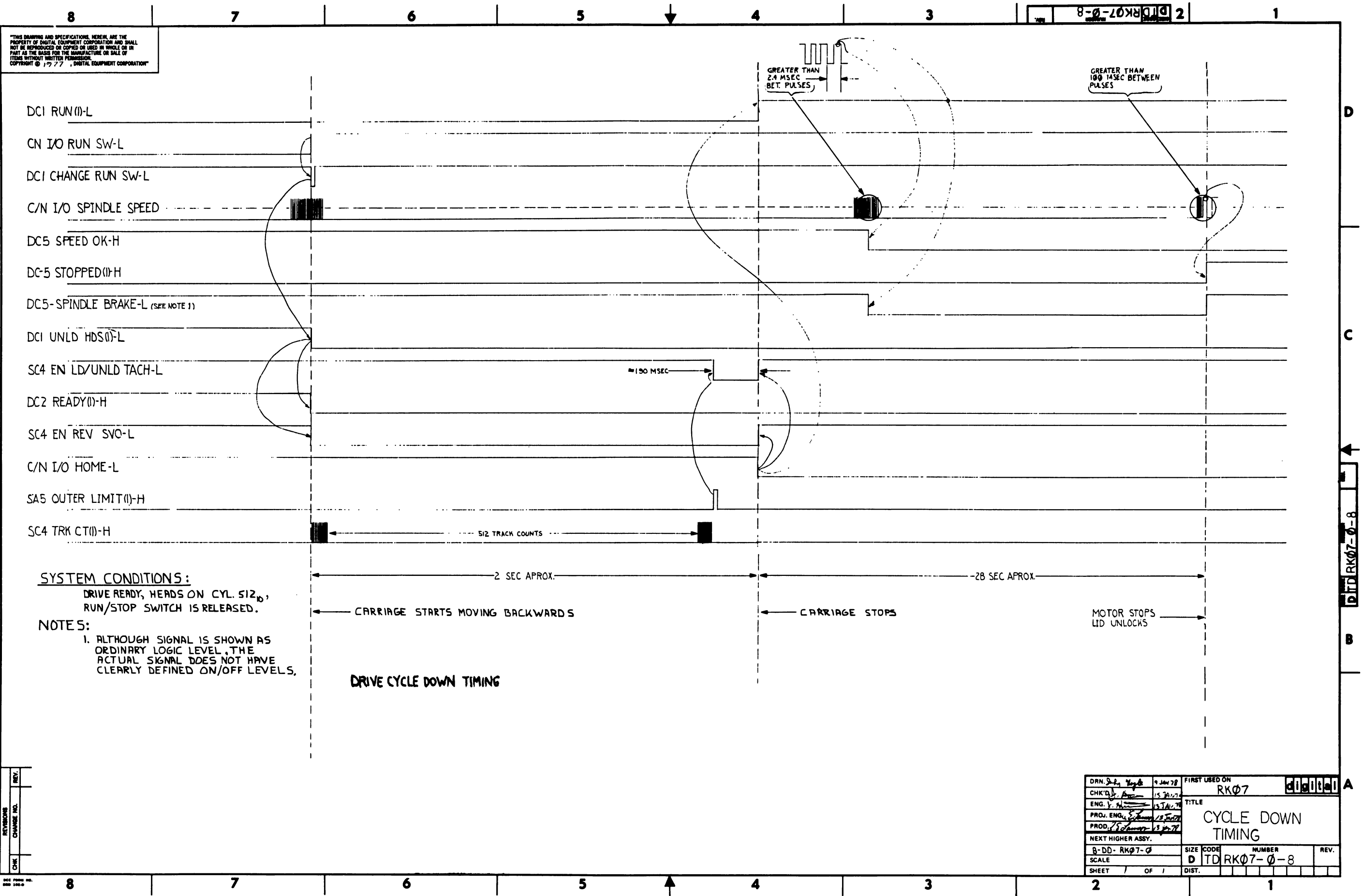
DRIVE IS IN READY
MODE

26 SEC APROX

≈ 190 M SEC

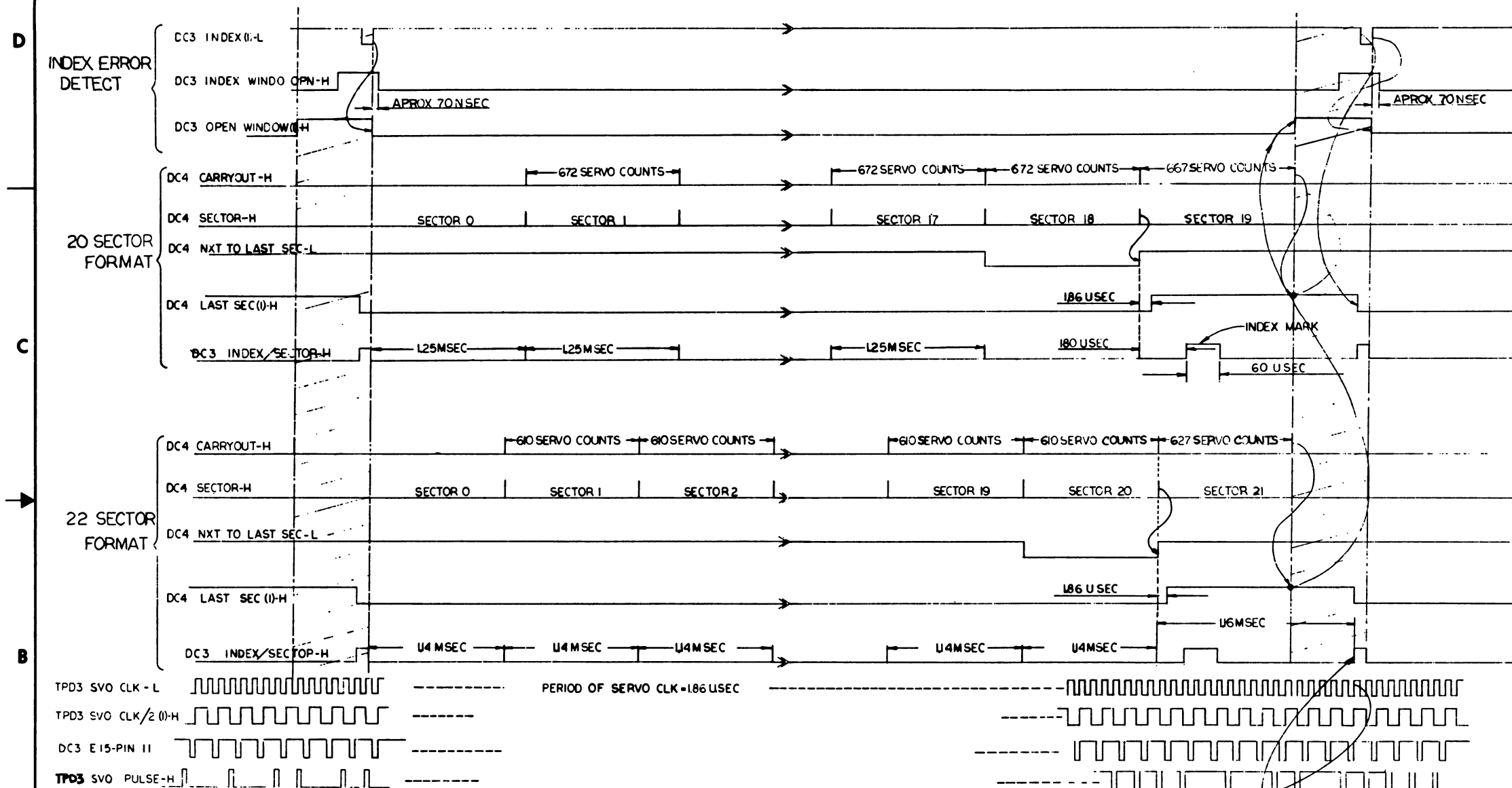
6.2 SEC APROX

DRN	11/1/77	12/1/77	FIRST USED ON	RK07	digital
CHK'D	11/1/77	12/1/77	TITLE	START UP TIMING RK07	
ENG'D	11/1/77	12/1/77	PROJ. ENG.	11/1/77	
PROD.	11/1/77	12/1/77	NEXT HIGHER ASSY.	11/1/77	
B-DD-RK07-0-1			SIZE	CODE	NUMBER
SCALE			D	TD	RK07-0-7
SHEET 1 OF 1			DIST		



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NOTES:



1. THE TIME **SCALE** OF THE SHADED AREA HAS BEEN EXPANDED OUT OF PROPORTION.
2. THE INDEX ERROR DETECT IS UTILIZED IN BOTH 20 AND 22. SECTOR FORMAT. THE NEXT TO LAST SECTOR PPELOAD ADJUSTS THE **CARRYOUT** AT THE END OF THE LAST **SECTOR** SUCH THAT OPEN WINDOW IS IN THE SAME **PLACE** REGARDLESS OF THE FORMAT.
3. SECTOR PULSE ϕ IS 3.72USEC WIDE. ALL OTHER SECTOR PULSES ARE 1.86 USEC WIDE.

[illegible]

QTY		REF. DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.							
FIRST USED ON OPTION MODEL				PARTS LIST											
RK06				ETCH BOARD REV.											
REVISIONS <table><tr><td>REV.</td><td>CHANGE NO.</td><td>DESCRIPTION</td></tr><tr><td>A</td><td>RK06-00006</td><td></td></tr></table>				REV.	CHANGE NO.	DESCRIPTION	A	RK06-00006		DRN.	DATE	digital TT LE SECTOR COUNTER TIMING			
				REV.	CHANGE NO.	DESCRIPTION									
				A	RK06-00006										
				CHK'D.	DATE										
				ENG.	DATE										
				PROG. ENG.	DATE										
				PROD.	DATE										
				NEXT HIGHER ASSY											
				B-DD-RK06-0											
				SCALE											
SHEET															
OF															
DIST															
D															
TD															
RK06-0-8															
REV.															
A															

M. CASTELLANOS

D 2-11-74

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COMPONENT SIDE VIEW

REWORK INSTRUCTIONS:

ECO #7

ETCH CUTS SIDE 1:

7-1. CUT ETCH SIDE 1 AT E47-3

WIRE ADDS SIDE 1:

7-2. ADD WIRE BETWEEN DN1 AND E47-3

ECO #9

9-1. DRILL ONE #55 HOLE

9-2. INSTALL ONE END OF 510mmf CAP. THROUGH
HOLE, TRIM AND TACK SOLDER TO PIN CR2.

USE TUBING A/R ON EXPIRED LEAD(SIDE 1)

9-3. INSTALL OTHER END OF CAP. IN PLATED
THROUGH HOLE IN GROUND BUS. TRIM, USE
TUBING A/R ON EXPOSED BOARD AND SOLDER.

ECO #11

ETCH CUTS SIDE 2

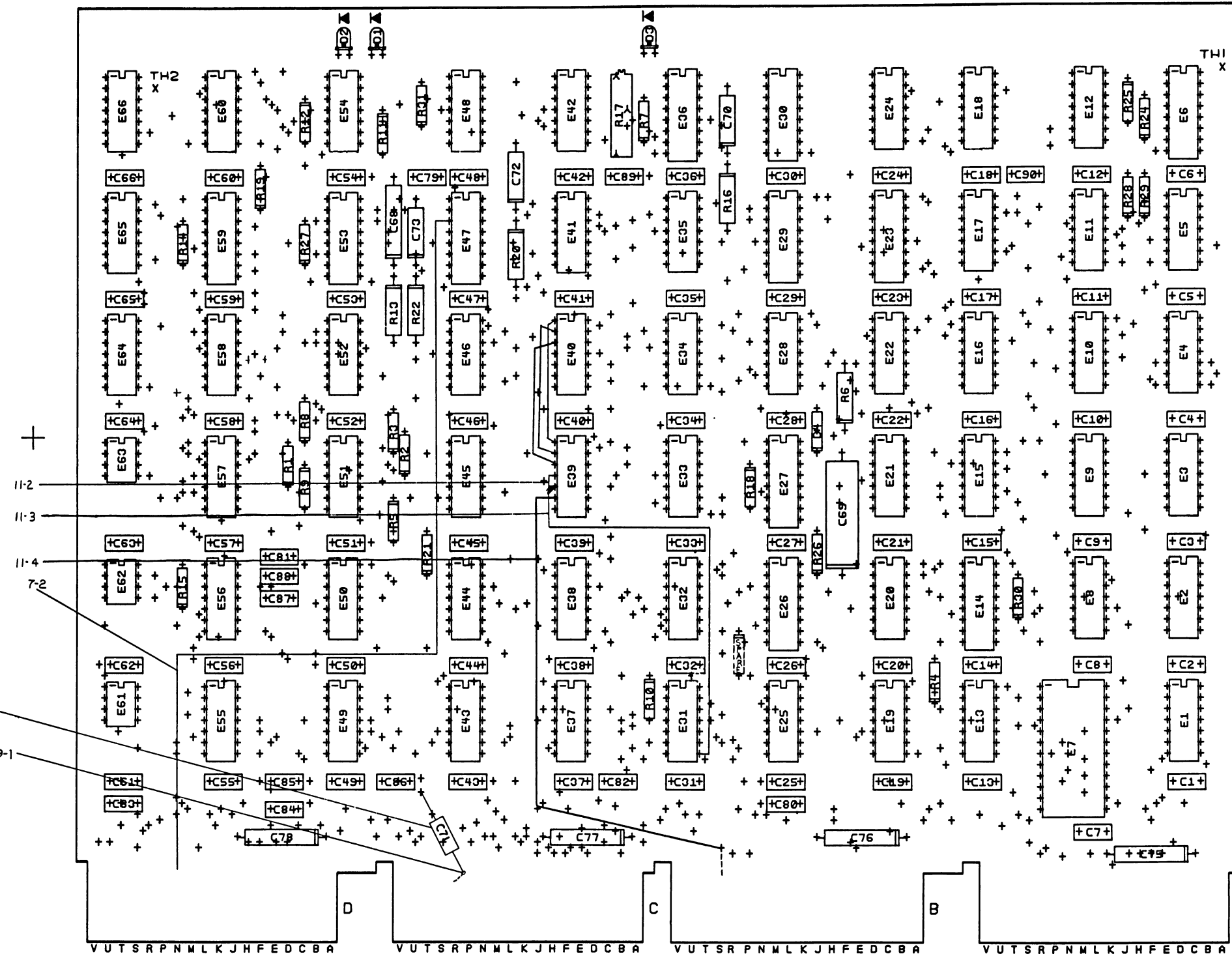
11-1 CUT ETCH SIDE 2 AT BS2 AS SHOWN

WIRE ADDS

11-2 E39-4 TO E39-5

11-3 E39-5 TO E31-8

11-4 E39-6 THROUGH FEEDTHROUGH AT BS1 TO BS2



NOTES: REWORK

JOIN E39-1 TO E40-1

JOIN E39-2 TO E40-2

JOIN E39-3 TO E40-3

CHG	NO	REV	BY	DATE
K	1			
L	1			
M	1			
N	1			
O	1			
P	1			
Q	1			
R	1			
S	1			
T	1			
U	1			
V	1			
W	1			
X	1			
Y	1			
Z	1			

HOLE DATA	
SYMBOL	SIZE
FIN HOLE SIZE	.038 .042 .156
PLATED	✓ ✓ ✓
NON PLATED	
QTY.	1857 3 2
○-OFF GRD HLE	
DRILL SIZE	

BOARD FABRICATION INFORMATION	
PANEL SIZE	8 1/2 QUAD
PANEL DATA DWG.#	D-MD-7605819-0-0
PANEL MAT'L	.052 THK.
QTY. OF LAYERS	2
COPPER THICKNESS	1 OZ.
PTH. ✓	PRINT AND ETCH
MODULE INSERTED	100 TIMES OR MORE?

SIGNATURES		DATE
DRN.	J. CARTER	4-14-77
CHK'D.		
ENG.	M. G. V. L. L.	5-22-77
PROJ. ENG.	M. G. V. L. L.	5-22-77
PROD.		
SCALE	2/1	
SHT.	1 OF 4	
NEXT HIGHER ASSY.		

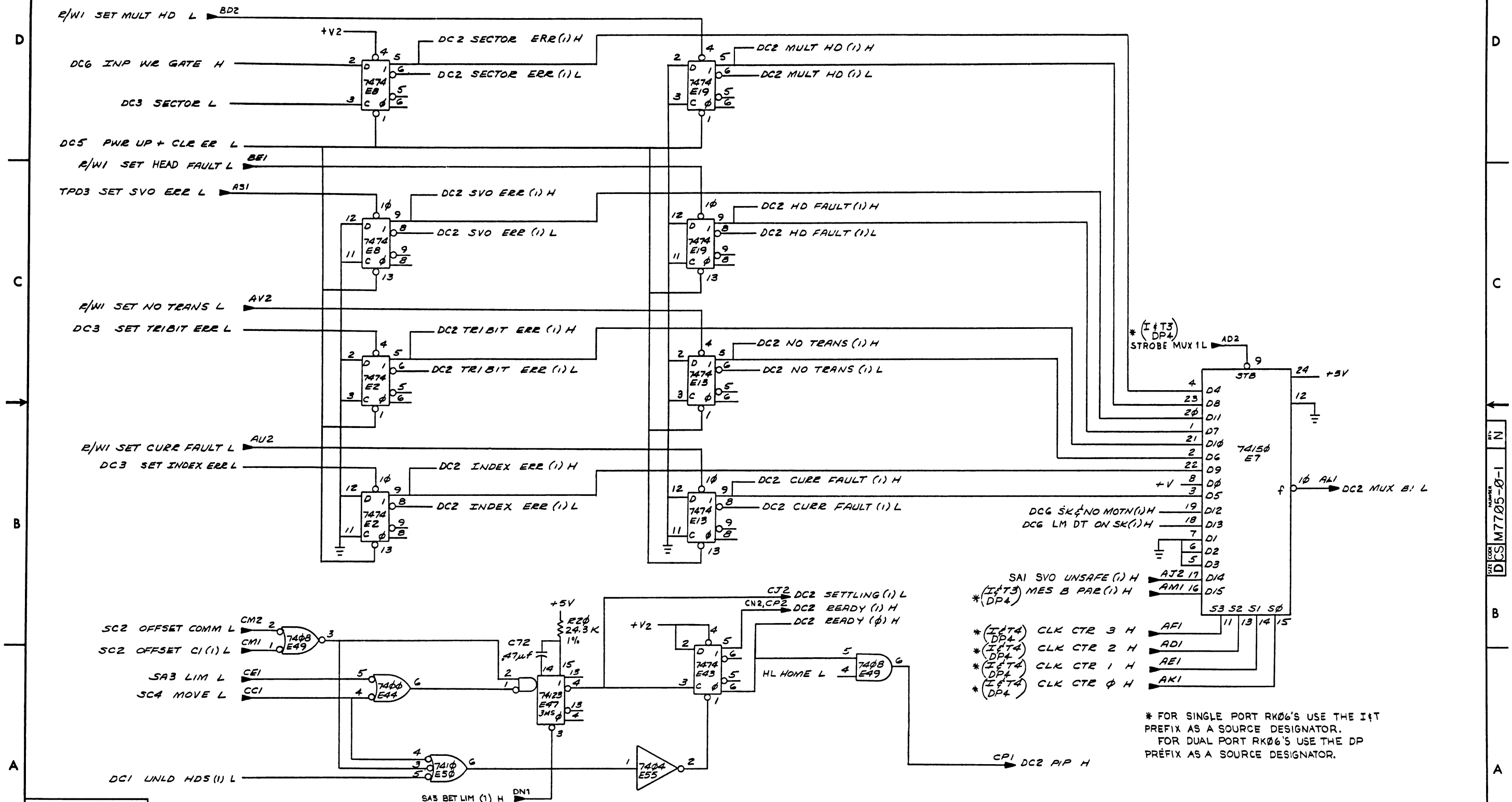
digital		DATE	4-14-77
TITLE		DRIVE	CONTROL LOGIC
SIZE	CODE	NUMBER	REV
D	AH	M7705-0-5	N
ETCH REV.		E	

A



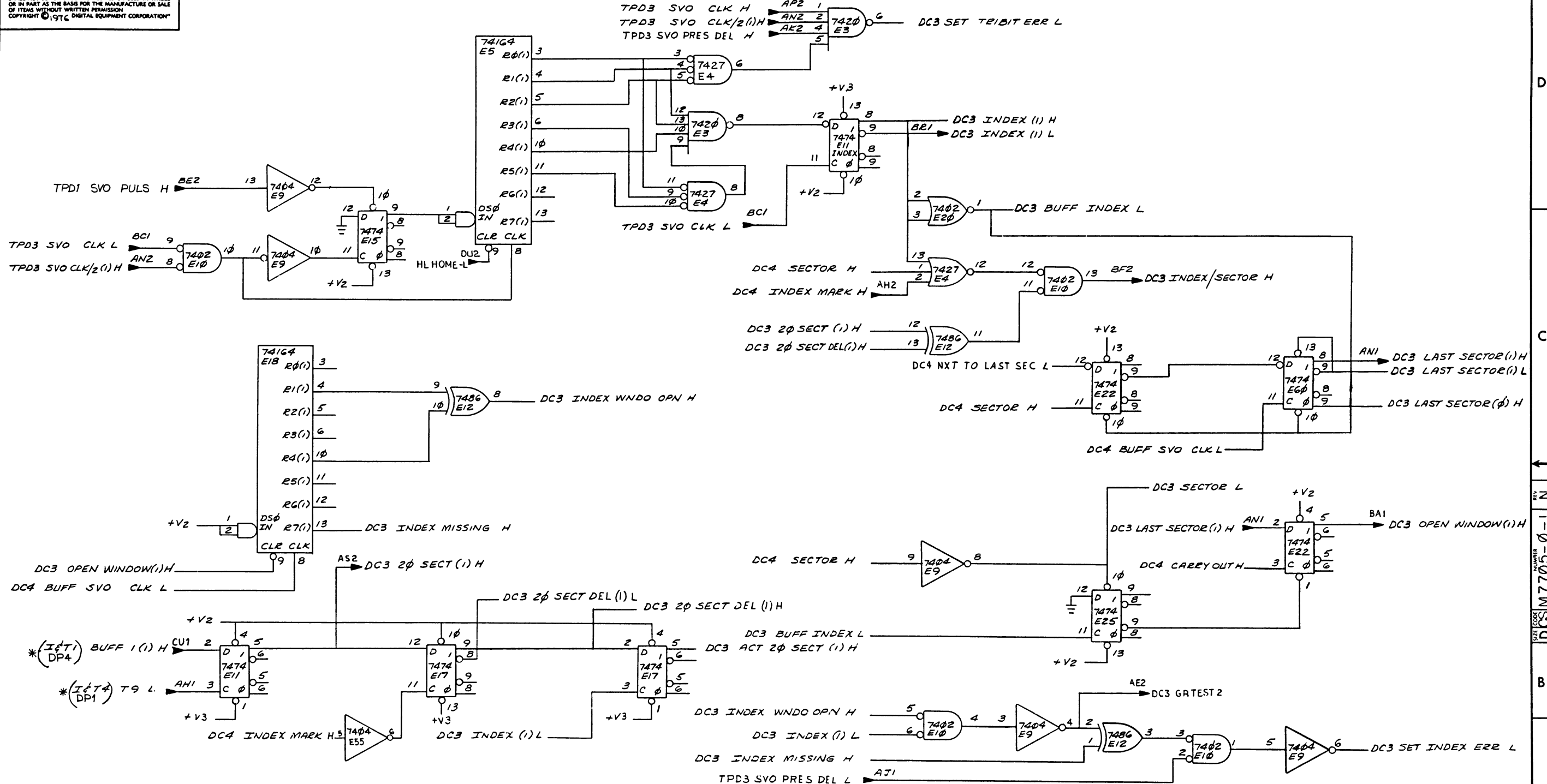
DRN# <u>213176</u>	FIRST USED ON			digital	A
CHK'D <u>10 MAR 79</u>	RK06				
ENG'D <u>23 MAR 79</u>	TITLE				
PROJ. ENG. <u>23 MAR 79</u>	DRIVE CONTROL				
PROD. <u>23 MAR 79</u>	LOGIC (DCI)				
NEXT HIGHER ASSY.					
D UA - M7705 0-0	SIZE	CODE	NUMBER		REV.
SCALE <u>1</u>	D	CS	M7705-0-1		N
SHEET 1 OF 4	DIST.				

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REVISIONS		
CHK	CHANGE NO	REV

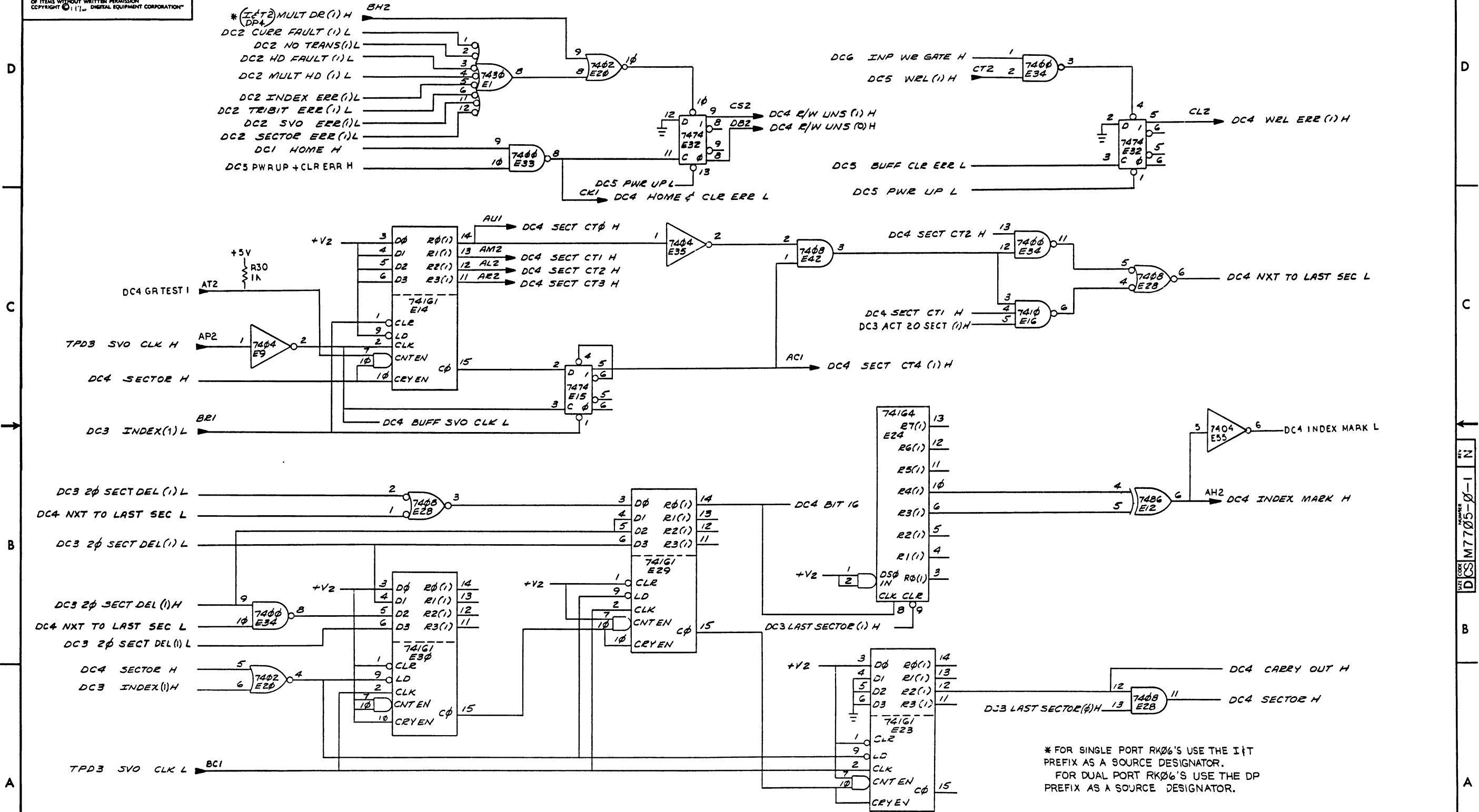
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* FOR SINGLE PORT RKO'S USE THE IIT
PREFIX AS A SOURCE DESIGNATOR.
FOR DUAL PORT RKO'S USE THE DP
PREFIX AS A SOURCE DESIGNATOR.

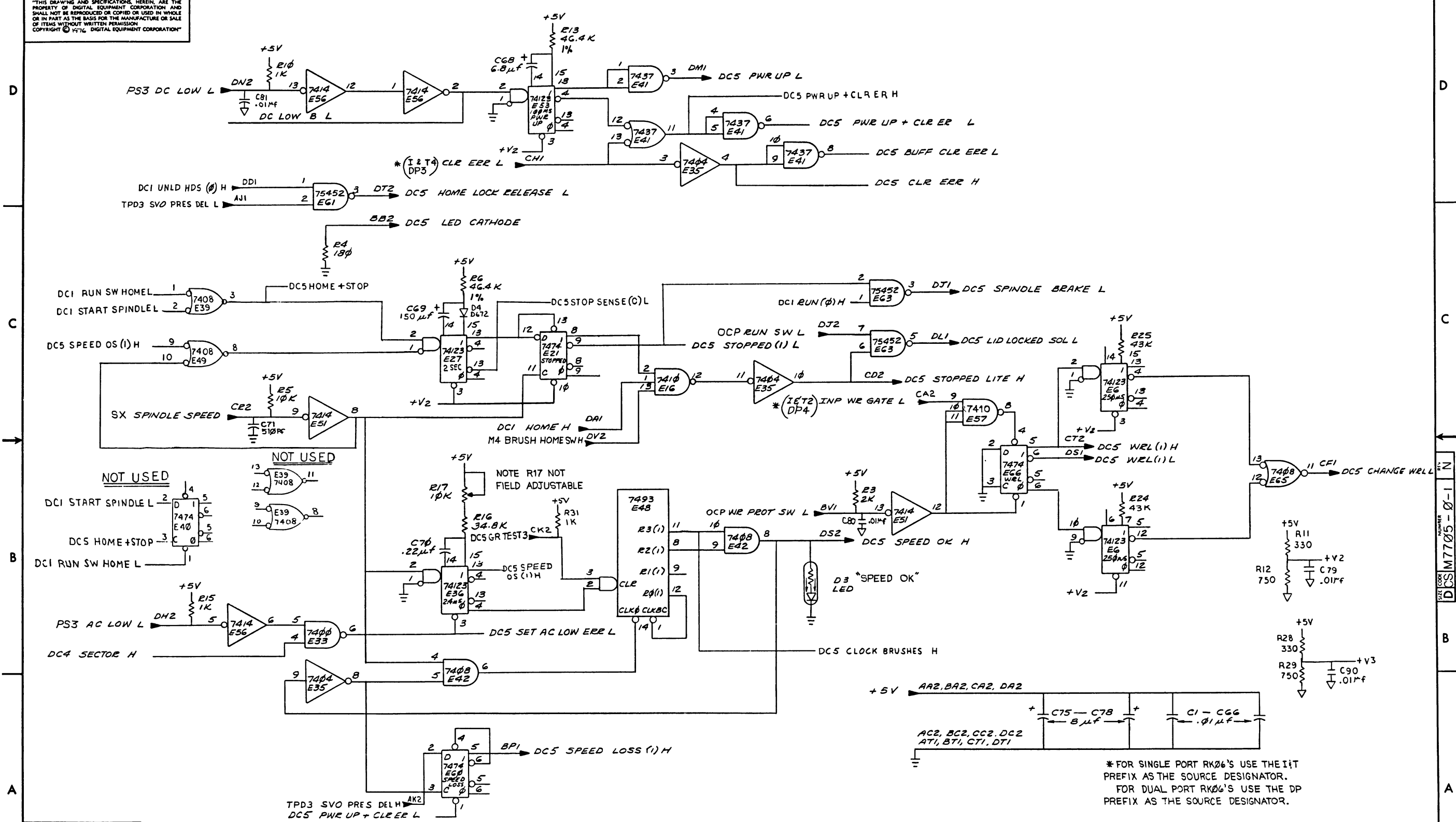
REVISIONS		
CHK	CHANGE NO	REV

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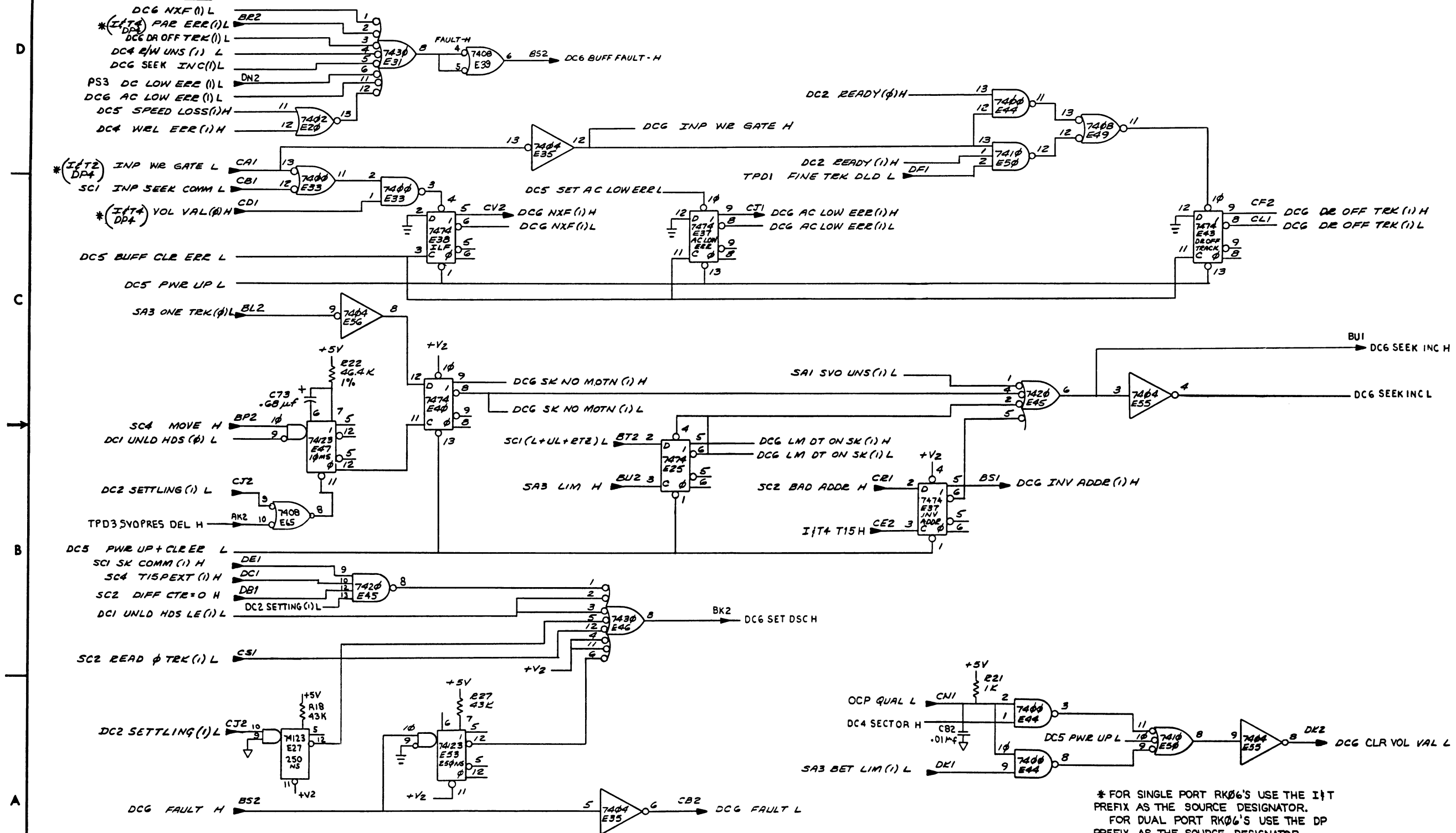
* FOR SINGLE PORT RAK'S USE THE I/T
PREFIX AS A SOURCE DESIGNATOR.
FOR DUAL PORT RAK'S USE THE DP
PREFIX AS A SOURCE DESIGNATOR.

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REVISIONS			TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO	REV	DRIVE CONTROL LOGIC		DCS		M7705-0-1		N	
			SCALE		SHEET 5 OF 6					

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REVISIONS		
CHK	CHANGE NO.	REV.

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	1	D-CS-M7705-0-1		DRIVE CONTROL LOGIC (C.S.)	REF	
2	2	D-AH-M7705-0-5		ASSY DRILLING HOLE LAYOUT	REF	
3	3	B-MH-M7705-0-6		MODULE ECO HISTORY	REF	
4	4		5011260-00	M7705	1	
5	5		1001610-01	.01 MFD 100V -20+80 Z5U DISC	78	C1-C66,C79-C90
6	6		1010031-03	.22 MFD 50V 10% M.POLYCARB	1	C70
7	7		1005965-00	.47 MFD 35V 10% 150D S.TA	1	C72
8	8		1005306-00	6.8MFD 35V 10% S.TANT	1	C68
9	9		1012084-01	8 MFD 25V G% 30D AL EL	4	C75-C78
10	10		1112609-00	LED .8MCD@16MA VF=5V	3	D1-D3
11	11		1300479-00	10 K 1/4W 5% CC	1	R5
12	12		1301322-00	180 1/4W 5% CC	1	R4
13	13		1300295-00	330 1/4W 5% CC	2	R11,R28
14	14		1300365-00	1 K 1/4W 5% CC	8	R1,R8,R9,R10,R15,R21,R30,R31
15	15		1301401-00	750 1/4W 5% CC	2	R12,R29
16	16		1304838-00	43 K 1/4W 5% CC	8	R7,R14,R19,R18,R24-R27
17	17		1303311-00	46.4 K 1/4W 1% RN55D-F 100PPM	3	R6,R13,R22
18	18		1309143-10	10 K 3/4W20% POT 100PPM	1	R17
19	19		1303156-00	34.9 K 1/4W 1% RN55D-F 100PPM	1	R16
20	20		1309418-00	24.3 K 1/4W 1% RN55D-F 100PPM	1	R20
21	21		1302368-00	2 K 1/4W 5% CC	2	R2,R3
22	22		1205547-00	7474 FF-D DUAL,EDGE TRIGG	10	E2,E8,E11,E13,E15,E17,E19,E21,E22,E25,E32,
					CONT	E37,E38,E40,E43,E52,E60,E66
23	23		1905575-00	7400 NAND GATE-QUAD 2IN	4	E33,E34,E44,E58
24	24		1905576-00	7410 NAND GATE-TRIPLE 3IN	3	E16,E50,E57
25	25		1905577-00	7420 NAND GATE-DUAL 4INPU	3	E3,E45,E64
26	26		1905578-00	7430 NAND GATE-SINGLE 8IN	4	E1,E31,E46,E54
27	27		1909004-00	DEC 7402 NOR GATE-QUAD 2IN	2	E10,E20
28	28		1909054-00	7493 COUNTER,ASYNCH UP,BI	1	E48
29	29		1909686-00	7404 INVERTER GATE-HEX 1I	3	E9,E35,E55

REVISION HISTORY			SECTION 1 OF 1	RESP.ENG.: R. LAWSON	DATE: 17-JAN-78	DIGITAL				
ENG	ECO NUMBER	REV	SECTION. VARIATION INDEX	MADE BY: L. METZGER	DATE: 17-JAN-78	TITLE PARTS LIST				
W,A	00009	M				DRIVE CONTROL LOGIC				
M,C	M7705-ML011	N	1.00							
			2.							
			3.	CHECKED: H. DARAKJIAN	DATE: 17-JAN-78					
			4.							
			5.			SIZE CODE DOCUMENT NUMBER REV				
			6.	DSN.ENG.: R. LAWSON	DATE: 17-JAN-78					
			7.							
			8.	PROD.: C. POWELL	DATE: 17-JAN-78					
			9.							
			10.			PART NUMBER: M7705				
			11.							
			12.	ASSEMBLY NUMBER: D-UA-M7705-0-0						
						EDIT # 10				

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
30	30		1910041-00	DEC 74164 SHIFT REG.,8BIT SERI	3	E5,E18,E24
31	31		1910153-00	DEC 74150 MUX 1 OF 16	1	E7
32	32		1910155-00	DEC 7408 AND GATE,POS,QUAD 2I	5	E28,E42,E49,E65,E39
33	33		1910091-00	DEC 7437 NAND GATE-QUAD 2IN,B	1	E41
34	34		1910645-00	75452 DRIVER,PERIPH,DUAL,	3	E61,E62,E63
35	35		1910011-00	DEC 7486 X-OR GATE-QUAD 2INPU	1	E12
36	36		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	7	E6,E26,E27,E36,E47,E53,E59
37	37		1910650-00	74161 COUNTER,SYNCHR. UP	4	E14,E23,E29,E30
38	38		1910878-00	7427 NOR GATE-TRIPLE 3IN	1	E4
39	39		1911324-00	7414 INVERTER,HEX 1IN SCH	2	E51,E56
40	40		9000024-01	EYELET, ROLLED FLANGE, .121 OD X	8	
41	41		1213113-01	HANDLE,MODULE,	1	
42	42		1009964-00	.68 MFD 35V 10% 150D S.TA	1	C73
43	43		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
44	44		1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D4
45	45		1005572-00	150 MFD 6V 20% 150D S.TA	1	C69
46	46		1002476-00	510.0 MMF 100V 5%200PPM DM158	1	C71
47	47		9107256-00	TUBING,THIN WALL,.027ID UL	A/R	

48 NOTE: ITEM #39: USE ONLY FAIRCHILD AND T.I. PARTS.

D	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							DRIVE CONTROL LOGIC					K	PL	M7765-0-DBP	N

COMPONENT SIDE VIEW

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REWORK INSTRUCTIONS:

ECO #5

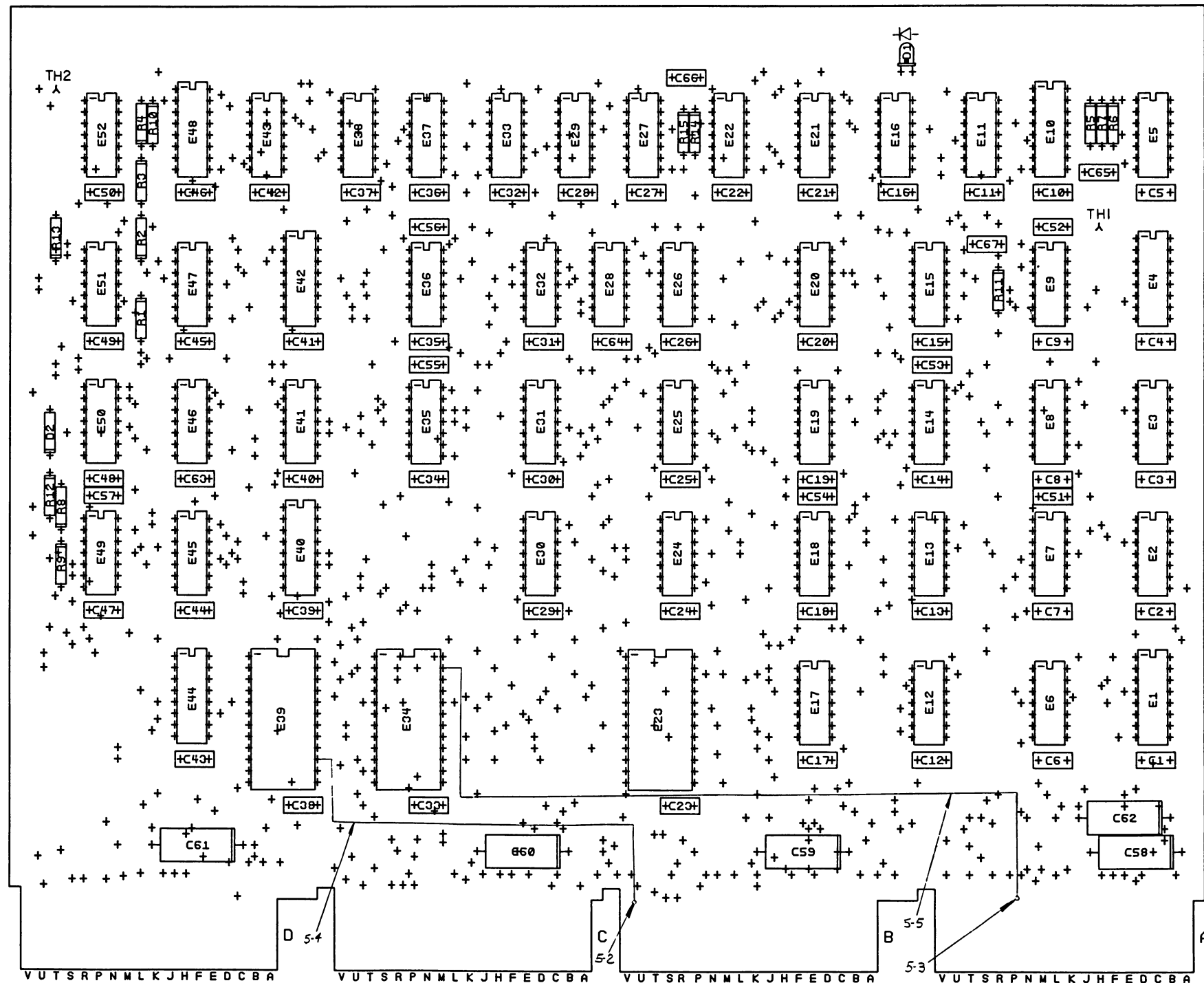
ETCH CUT SIDE 1:

5-1 CUT BETWEEN E34-4 & E34-23 (PRIOR TO INSTALLATION OF E34)
HOLE ADDS5-2 ADD HOLE AT LOCATION BU-BV AS SHOWN
HAND DRILL #60 (.040 DIA) HOLE.5-3 ADD HOLE AT LOCATION AN-AP AS SHOWN
HAND DRILL #60 (.040 DIA) HOLE.

WIRE ADDS SIDE 1:

5-4 ADD WIRE AT E39-15 TO BT2 (THROUGH HOLE BETWEEN BU AND BV)

5-5 ADD WIRE AT E34-23 TO AM2 (THROUGH HOLE BETWEEN AN AND AM)



NOTES: 1. DO NOT INSTALL E38.

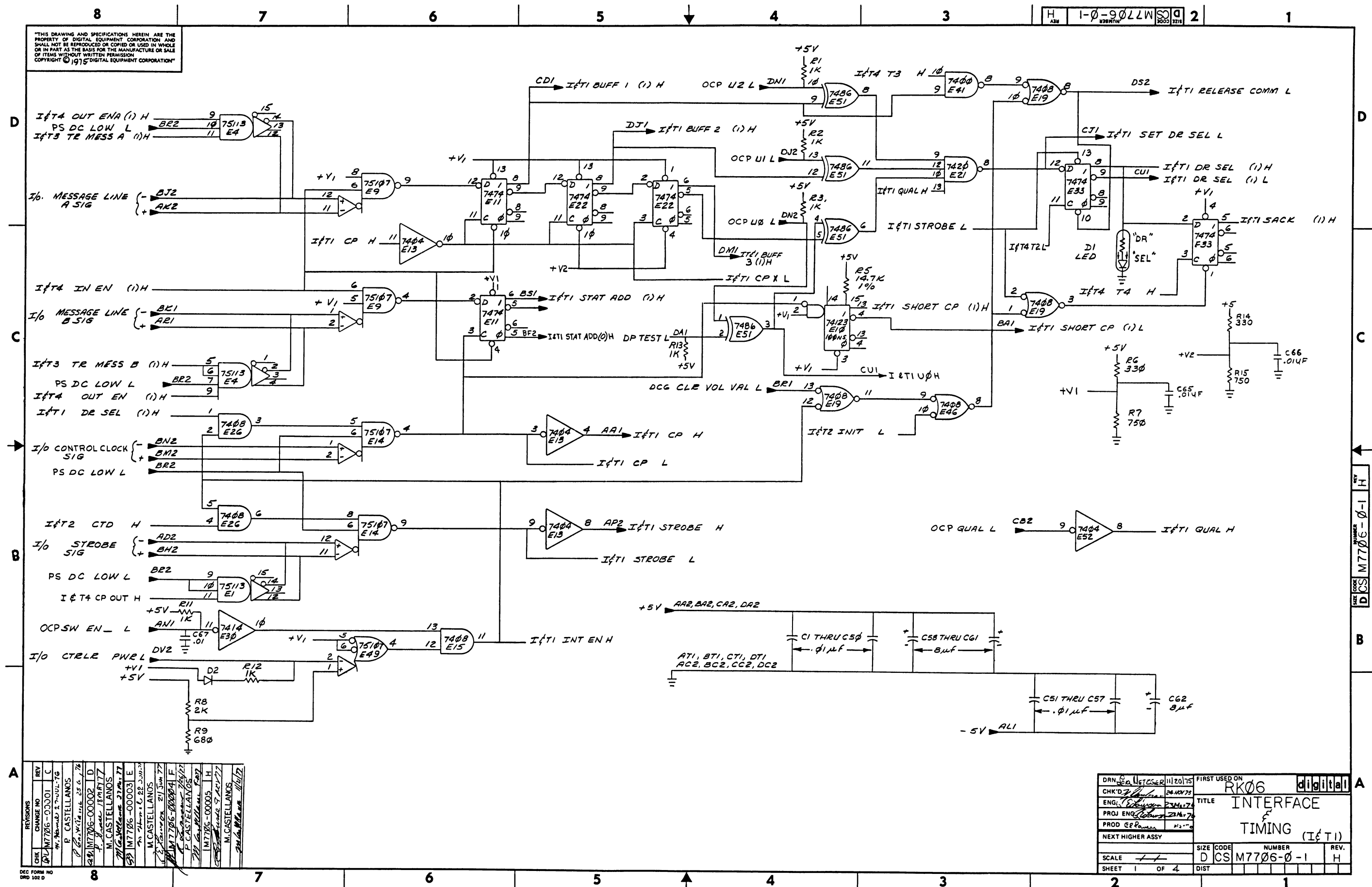
CHANGE NO	REV	DATE	BY	CHKD	APPD
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2	2	11/10/77	R. LARSON		
3	3	11/10/77	R. LARSON		
4	4	11/10/77	R. LARSON		
5	5	11/10/77	R. LARSON		
6	6	11/10/77	R. LARSON		
7	7	11/10/77	R. LARSON		
8	8	11/10/77	R. LARSON		
9	9	11/10/77	R. LARSON		
10	10	11/10/77	R. LARSON		
11	11	11/10/77	R. LARSON		
12	12	11/10/77	R. LARSON		
13	13	11/10/77	R. LARSON		
14	14	11/10/77	R. LARSON		
15	15	11/10/77	R. LARSON		
16	16	11/10/77	R. LARSON		
17	17	11/10/77	R. LARSON		
18	18	11/10/77	R. LARSON		
19	19	11/10/77	R. LARSON		
20	20	11/10/77	R. LARSON		
21	21	11/10/77	R. LARSON		
22	22	11/10/77	R. LARSON		
23	23	11/10/77	R. LARSON		
24	24	11/10/77	R. LARSON		
25	25	11/10/77	R. LARSON		
26	26	11/10/77	R. LARSON		
27	27	11/10/77	R. LARSON		
28	28	11/10/77	R. LARSON		
29	29	11/10/77	R. LARSON		
30	30	11/10/77	R. LARSON		
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33	33	11/10/77	R. LARSON		
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51	51	11/10/77	R. LARSON		
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95	95	11/10/77	R. LARSON		
96	96	11/10/77	R. LARSON		
97	97	11/10/77	R. LARSON		
98	98	11/10/77	R. LARSON		
99	99	11/10/77	R. LARSON		
100	100	11/10/77	R. LARSON		

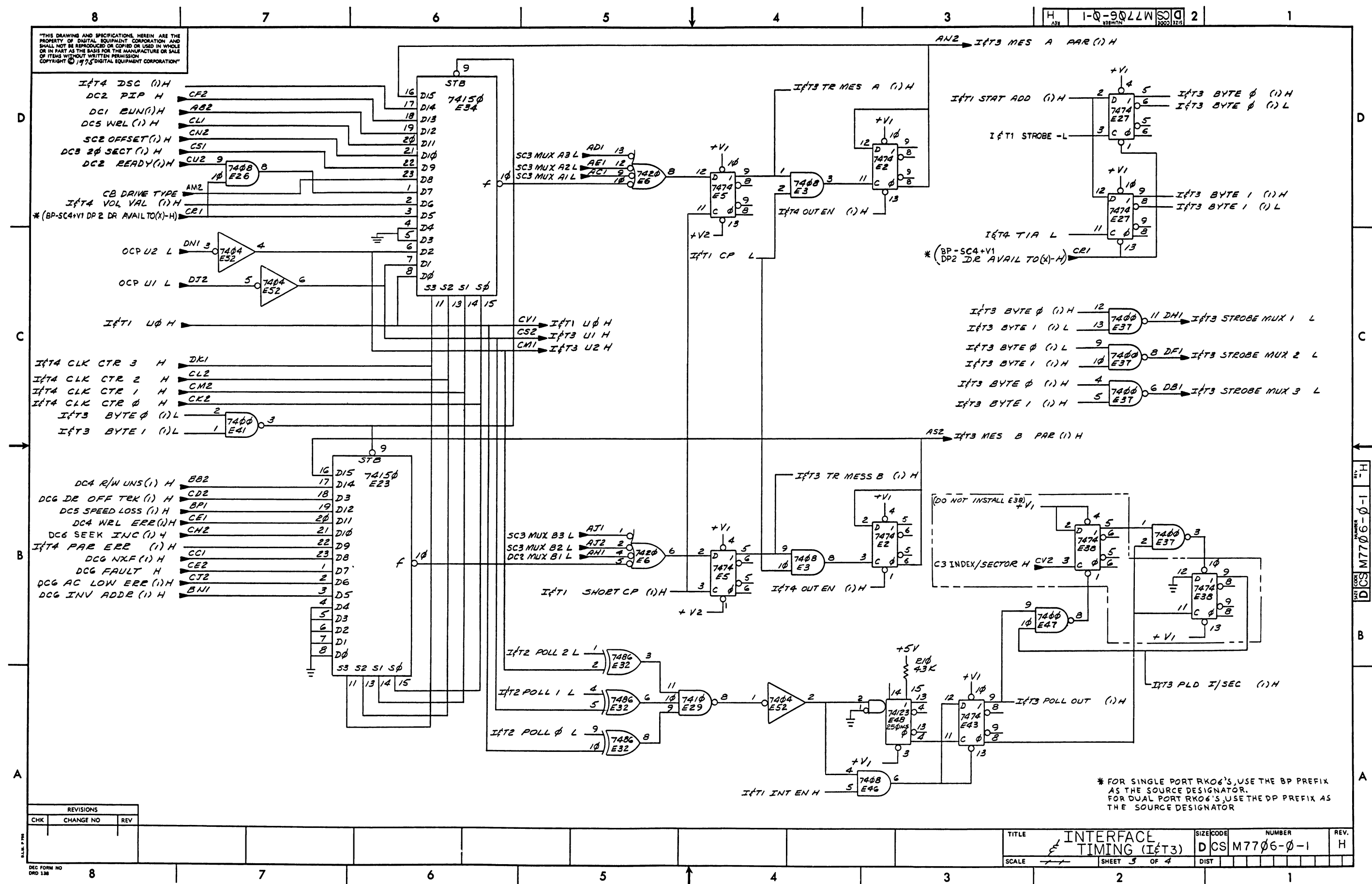
HOLE DATA									
SYMBOL	+	-	X	+	Z	H	A	D	+
FIN HOLE SIZE	038	156							
PLATED	✓	✓							
NON PLATED									
QTY.	1712	2							
○-OFF GRD HLE									
DRILL SIZE									

BOARD FABRICATION INFORMATION	
PANEL SIZE	QUAD 854 x 1175
PANEL DATA	DWG. # D-MD-76058.9-0-0
PANEL MAT'L	.052 THK
QTY. OF LAYERS	2
COPPER THICKNESS	1 OZ
PTH. / PRINT AND ETCH NO	
MODULE INSERTED 100 TIMES OR MORE?	NO

SIGNATURES		DATE	TITLE	
DRN.		7/2/77	digital	
CHK'D.		8-3-77	DRILL AND	
ENG.		9-6-77	ETCH DRAWING	
PROJ. ENG.		9-1-77		
PROD.				
SCALE	2/1			
SHT.	1 OF 4			
NEXT HIGHER ASSY.				
			SIZE	NUMBER
			D	AH M7706-0-5
			ETCH REV.	D

1 MS#





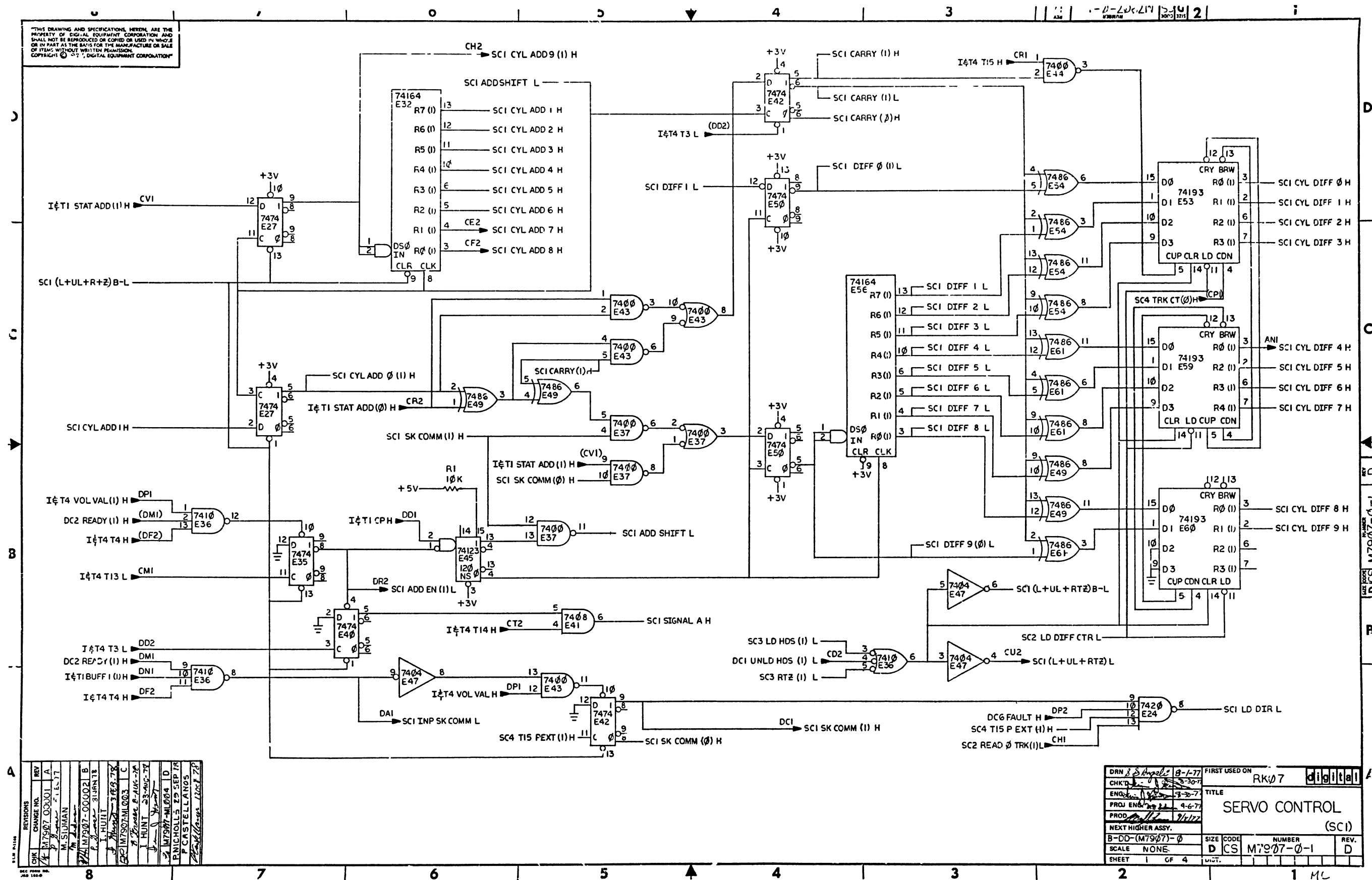
* FOR SINGLE PORT RK06'S, USE THE BP PREFIX AS A SOURCE DESIGNATOR.
FOR DUAL PORT RK06'S USE THE DP PREFIX AS A SOURCE DESIGNATOR.

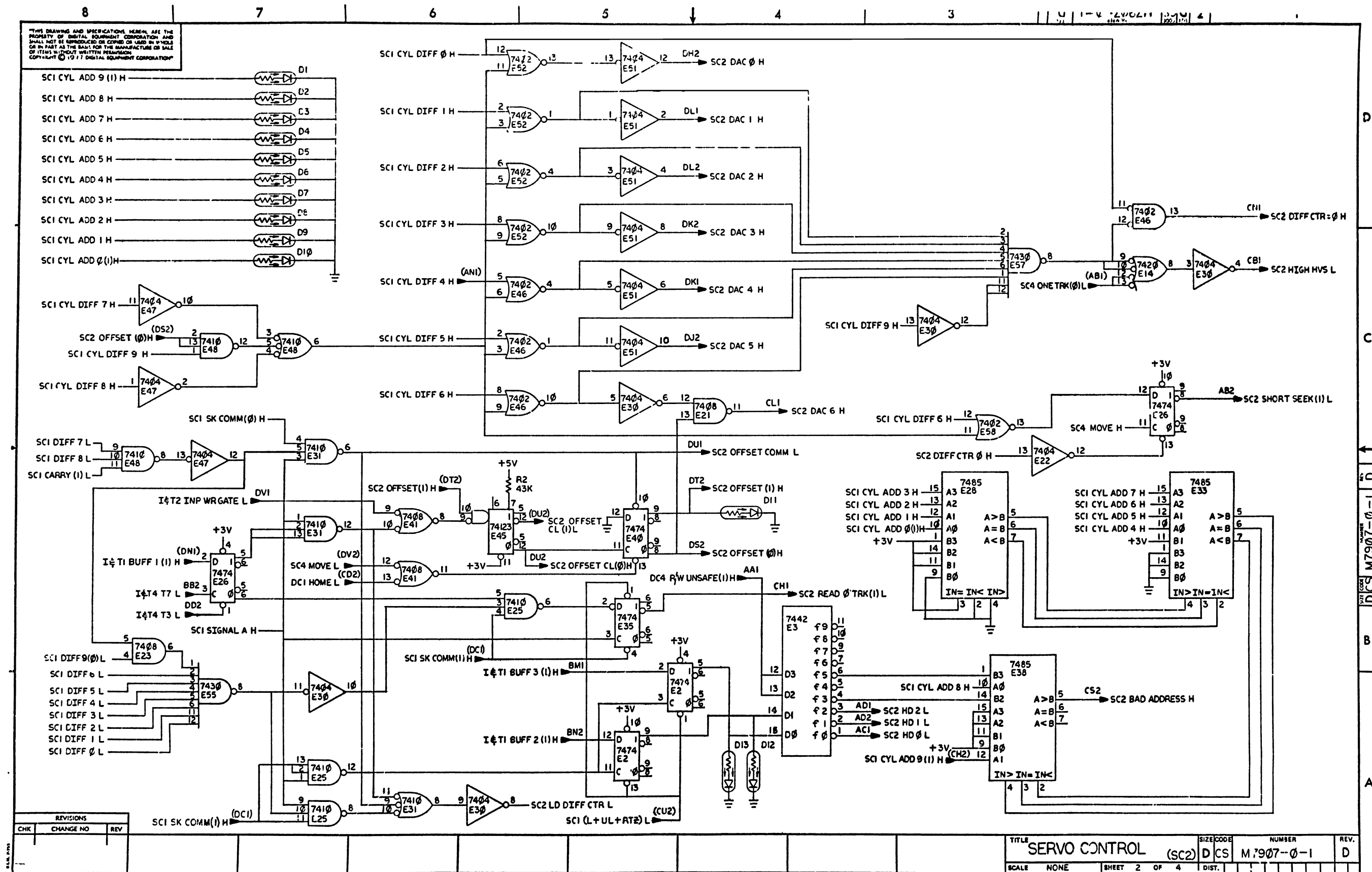
(X) REFERS TO THE I & T BOARD IN QUESTION
(Y) REFERS TO THE OTHER PORT
i.e. IF YOUR DEBUGGING I & T BOARD A, X=A, Y=B

TITLE		INTERFACE TIMING (IET4)		SIZE	CODE	NUMBER		REV.
SCALE		SHEET 4 OF 4		D	CS	M7706-0-1		H

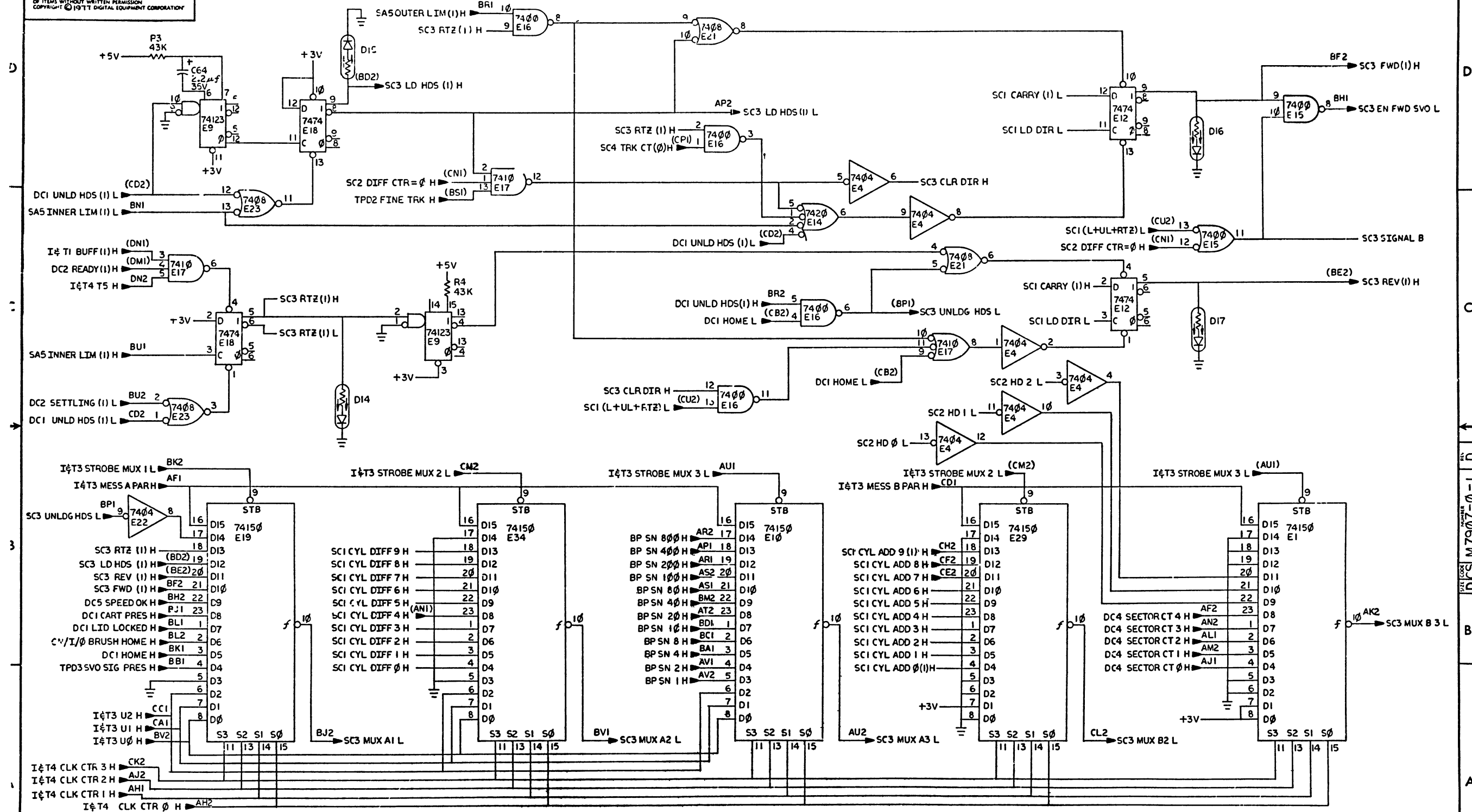
DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY L. METZGER DATE 10/10/75		CHECKED H. DARAKJIAN DATE 23 FEB 76		SECTION															
ENG R.E. LAWSON DATE 23 MAR 76		PROD C.E. POWELL DATE 23 MAR 76		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
	D-UA-M7706-0-0		DRILL & ETCH DRAWING	REF															
1	D-CS-M7706-0-1		INTERFACE & TIMING (C.S.)	REF															
2	D-AH-M7706-0-5		ASSY/DRILLING HOLE LAYOUT	REF															
3	B-MH-M7706-0-6		MODULE ECO HISTORY	REF															
4		5011609	ETCHED CIRCUIT BOARD	1															
5		1001610-00	CAP .01UF 50V CER	62													C1 THRU C57, C63 THRU C67		
6		1012084-01	CAP 8UF 25V 10%	5													C58 THRU C62		
7		1112689-00	DIODE LED	1													D1		
8		1105275-00	DIODE D672	1													D2		
9		1301424-00	RES 680 1/4W 5% CC	1													R9		
10		1300295-00	RES 330 1/4W 5% CC	2													R6, R14		
11		1300365-00	RES 1K 1/4W 5% CC	5													R1, R2, R3, R12, R13		
12		1302941-00	RES 14.7K 1/4W 1% MF	1													R5		
13		1301401-00	RES 750 1/4W 5% CC	2													R7, R15		
14		1304838-00	RES 43K 1/4W 5% CC	1													R10		
15		1302391-00	RES 20K 1/4W 5% CC	1													R4		
16		1302388-00	RES 2K 1/4W 5% CC	2													R8, R11		
17		1905547-00	IC 7474	13													E2, E5, E8, E11, E16, E20, E22, E24, E27, E28, E31, E33, E43		
18		1905575-00	IC 7400	4													E25, E37, E41, E47		
19		1905576-00	IC 7410	2													E29, E50		
E.C.O. NO.	0001	0002	0003	0004	0005														
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						SHEET 1 OF 2		INSERTION PARTS LIST DATA BASE REV											

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY L. METZGER DATE 10/10/75		CHECKED H. DARAKJIAN DATE 23 FEB 76		SECTION															
ENG R.E. LAWSON DATE 23 MAR 76		PROD C.E. POWELL DATE 23 MAR 76		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
20		1905577-00	IC 7420	2													E6, E21		
21		1905578-00	IC 7430	1													E12		
22		1909054-00	IC 7493	1													E17		
23		1909686-00	IC 7404	3													E13, E45, E52		
24		1909701-00	IC 74154	1													E39		
25		1910011-00	IC 7486	2													E32, E51		
26		1910153-00	IC 74150	2													E23, E34		
27		1910155-00	IC 7408	5													E3, E15, E19, E26, E46		
28		1910268-00	IC 75107B	7													E7, E9, E14, E18, E35, E36, E49		
29		1910436-00	IC74123	2													E10, E48		
30		1911341-00	IC 75113	5													E1, E4, E40, E42, E44		
31		1213113-01	HANDLE QUAD BOARD	1															
32		7413826-1	HANDLE ASSY QUAD BOARD (RIGHT)	1															
33		9000024-01	EYELET	8															
34		9105740-55	WIRE #30 AWG GRN	A/R															
35		1911324-00	IC 7414	1															
ECO. NO.																			
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												INSERTION PARTS LIST DATA BASE REV							





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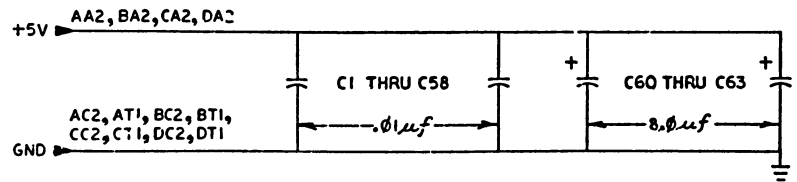
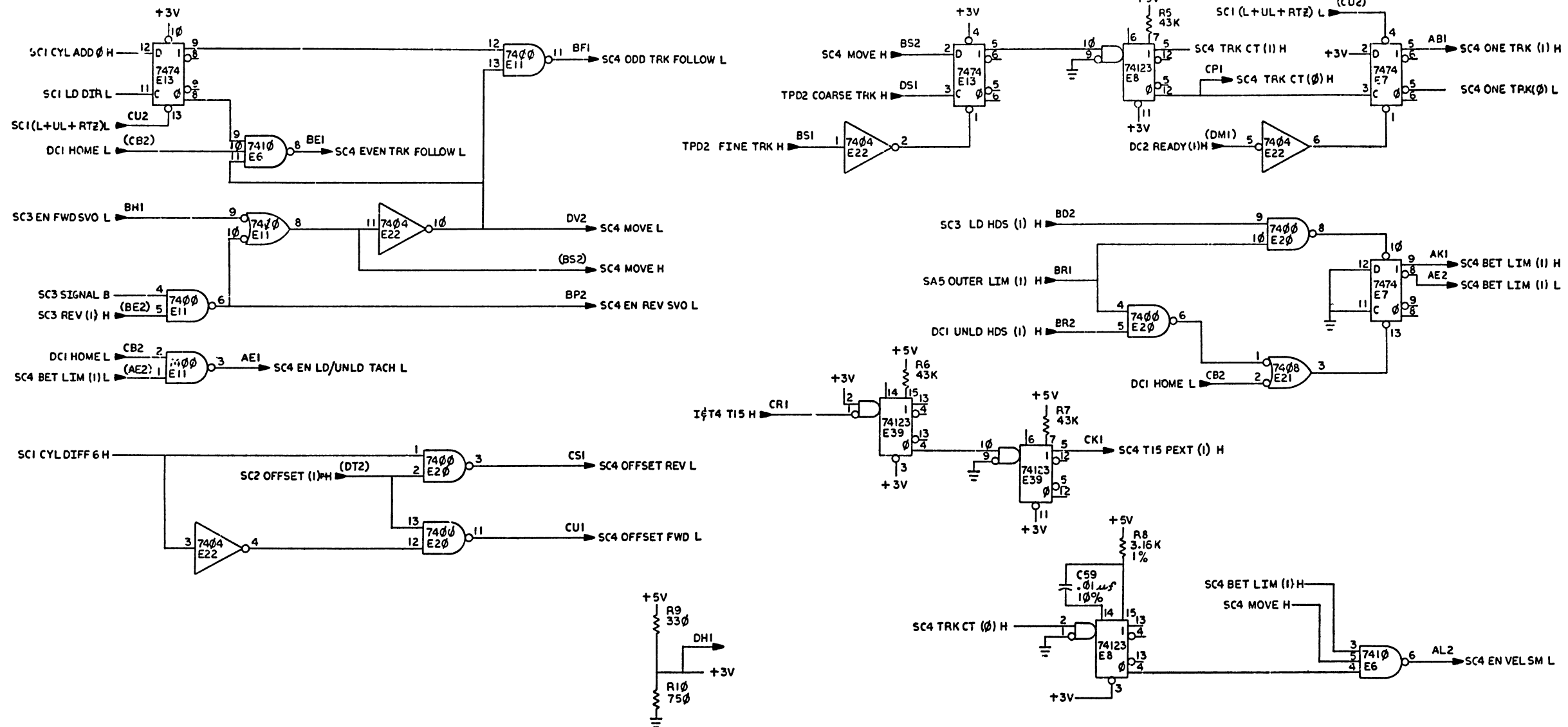


REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER		REV.
SERVO CONTROL (SC3)		D	CS	M7907-0-1		D
SCALE NONE		SHEET 3 OF 4		DCT		1 ML

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1-0-2062W SCD 2



REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
SERVO CONTROL (SC4)		D CS	M7907-0-1	D
SCALE		SHEET	OF	
NONE		4	4	

LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-CS-M7907-0-1	CIRCUIT SCHEMATIC	REF	
2	2	D-UA-M7907-0-0	UNIT ASSY	REF	
3	3	B-DD-M7907-0-0	DRAWING DIRECTORY	REF	
4	4	D-MD-5012765-0-0	DRILL & ETCH DWG.	REF	
5	5	5012765-00	M7907	1	
6	6	1001610-01	.01 MFD 100V -20+80 Z5U DISC 8000PF MIN	58	C1-C58
7	7	1012084-01	8 MFD 25V GZ 30H AL EL (10-12	4	C60-C63
8	8	1002431-00	2.2MFD 35V 10% 150S S.TA (10-00	1	C64
9	9	1112689-00	LED .8MCD@16MA VF=5V	17	D1-D17
10	10	1213113-01	HANDLE,MODULE,	1	
11	11	1300295-00	330 1/4W 5% CC (13-00	1	R9
12	12	1301401-00	750 1/4W 5% CC (13-0)	1	R10
13	13	1303045-00	3.16 K 1/4W 1% RN55D-F 100PPH (13-00	1	R8
14	14	1300479-00	10 K 1/4W 5% CC (13-00	1	R1
15	15	1304838-00	43 K 1/4W 5% CC (13-00	6	R2-R7
16	16	1905547-00	7474 FF-D DUAL,EDGE TRIGGER,15MHZ	11	E2,E12,E13,E18,E26,E27,E35,
				CONT	E40,E42,E50,E7
17	17	1905575-00	7400 NAND GATE-QUAD 2IN	7	E11,E15,E16,E20,E37,E43,E44
18	18	1905577-00	7420 NAND GATE-DUAL 4INPUT	2	E14,E24
19	19	1905578-00	7430 NAND GATE-SINGLE 8INPUT	2	E55,E57
20	20	1909004-00	DEC 7402 NOR GATE-QUAD 2IN	3	E46,E52,E58
21	21	1909686-00	7404 INVERTER GATE-HEX 1IN	5	E4,E22,E30,E47,E51
22	22	1910011-00	DEC 7486 X-OR GATE-QUAD 2INPUT	3	E49,E54,E61
23	23	1910018-00	DEC 74193 COUNTER,SYNCHR. UP/DOWN	3	E53,E59,E60
24	24	1910041-00	DEC 74164 SHIFT REG.,8BIT SERIAL IN/OUT	2	E32,E56
25	25	1910046-00	7442 DECODER-1 OF 10,BCD SELECTED	1	E3
26	26	1910153-00	DEC 74150 MUX 1 OF 16	5	E1,E10,E19,E29,E34
27	27	1910155-00	DEC 7408 AND GATE,POS.QUAD 2IN 14	3	E21,E23,E41
28	28	1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIGGERABLE	4	E8,E9,E39,E45
29	29	1910224-00	DEC 7485 COMPARATOR-4BIT	3	E28,E33,E38

REVISION HISTORY				VARIATIONS FOR THIS ASSY.			FIRST USED ON: OPTION/MODEL RK07			DIGITAL EQUIPMENT CORPORATION		
CHK	ECO NO	REV								MAYNARD, MASSACHUSETTS		
					00							
W.H	00002	B					MADE BY:	R.WALDIE	DATE:	31-JAN-78	TITLE	
E.R	ML003	C									PARTS LIST	
C.L	ML004	D										
							CHECKED:	C.BEVERLIE	DATE:	31-JAN-78	SERVO CONTROL	
							DSN.ENG.:	M.D.SIDMAN	DATE:	31-JAN-78		
											SIZE/CODE:	DOCUMENT NUMBER
							PROD.:	M.D.SIDMAN	DATE:	31-JAN-78	K	PL
												EDIT#
							RESP.ENG.:	M.D.SIDMAN	DATE:	31-JAN-78	ASSY.NO.:	D-UA-M7907-0-0
												10

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LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
30	30		9105740-55	***** THIS ITEM IS NOT USED *****	-	
31	31		9000024-01	EYELET, ROLLED FLANGE, .121 OD X .196 LG	8	
32	32		9107256-11	***** THIS ITEM IS NOT USED *****	-	
33	33		1005784-00	.01 MFD 100V 10% 663VW MYLR (10-00	1	C59
34	34		1905576-00	7410 NAND GATE-TRIPLE 3IN	6	E6,E17,E25,E31,E36,E48

TITLE		PARTS LIST	SIZE	CODE	DOCUMENT NUMBER	REV
DIGITAL EQUIPMENT CORPORATION		SERVO CONTROL				
MAYNARD, MASSACHUSETTS			K	PL	M7907-0-DBP	D

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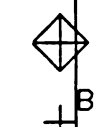
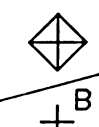
1022 COMPONENT SIDE VIEW

6-3

6-5

6-6

6-4



NOTES: 1. USE TRANSFADS (ITEM 95) UNDER Q17 & Q18.

CHANGE NO	REV	E
1	1	
2	2	
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98
TYP

ETCH REV. C
P.C. DESIGN DATA BASE REV.

SIGNATURES	DATE	TITLE
DRN. J. CARTER	11-7-78	SERVO ANALOG
CHK. J. CARTER	11-7-78	
ENG. J. CARTER	11-7-78	
PROJ. ENR. J. CARTER	11-7-78	
PROD. M. G. H.		
SCALE 2/1		
SHT. 1 OF 4		
NEXT HIGHER ASSY. B-DD-M7906-0		

digital

SERVO ANALOG

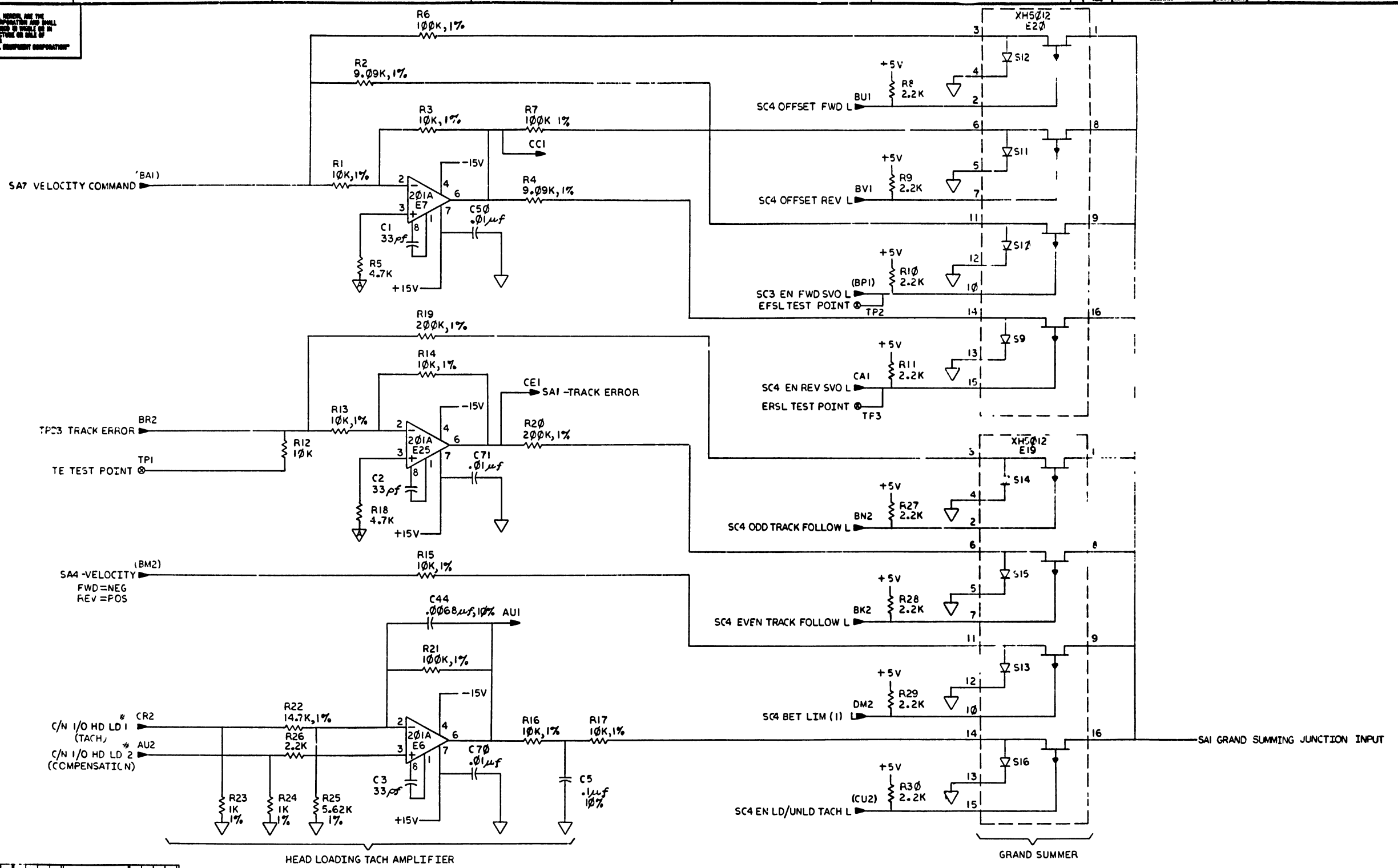
SIZE CODE NUNPLA REV

0 UA M7906-0-0 F

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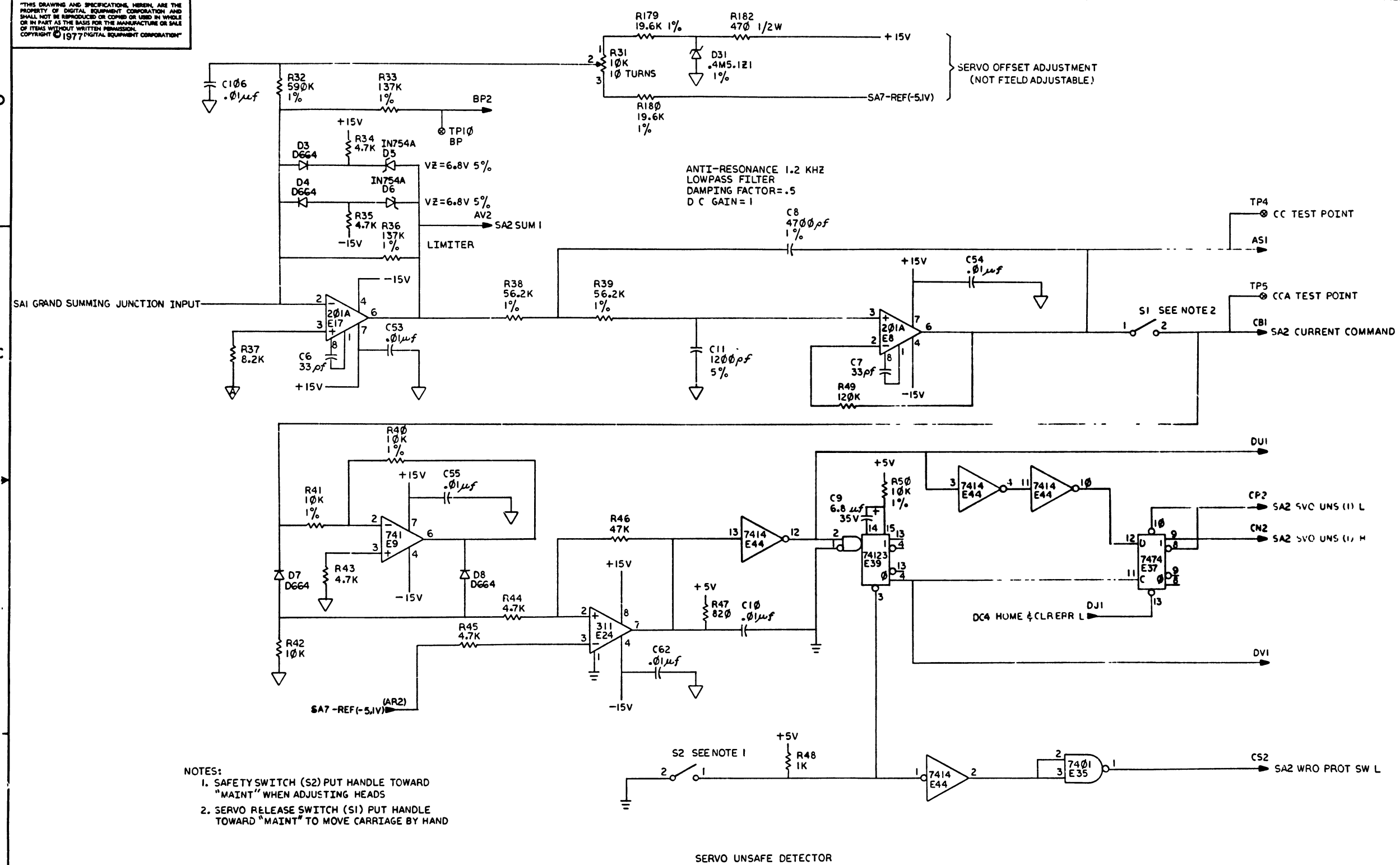
1-0-9062W S3 2

REV	DATE	BY	CHKD	APPD
1	10/1/77	M. SIDMAN		
2	11/1/77	M. SIDMAN		
3	11/1/77	M. SIDMAN		
4	11/1/77	M. SIDMAN		
5	11/1/77	M. SIDMAN		
6	11/1/77	M. SIDMAN		
7	11/1/77	M. SIDMAN		
8	11/1/77	M. SIDMAN		
9	11/1/77	M. SIDMAN		
10	11/1/77	M. SIDMAN		
11	11/1/77	M. SIDMAN		
12	11/1/77	M. SIDMAN		
13	11/1/77	M. SIDMAN		
14	11/1/77	M. SIDMAN		
15	11/1/77	M. SIDMAN		
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17	11/1/77	M. SIDMAN		
18	11/1/77	M. SIDMAN		
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99	11/1/77	M. SIDMAN		
100	11/1/77	M. SIDMAN		



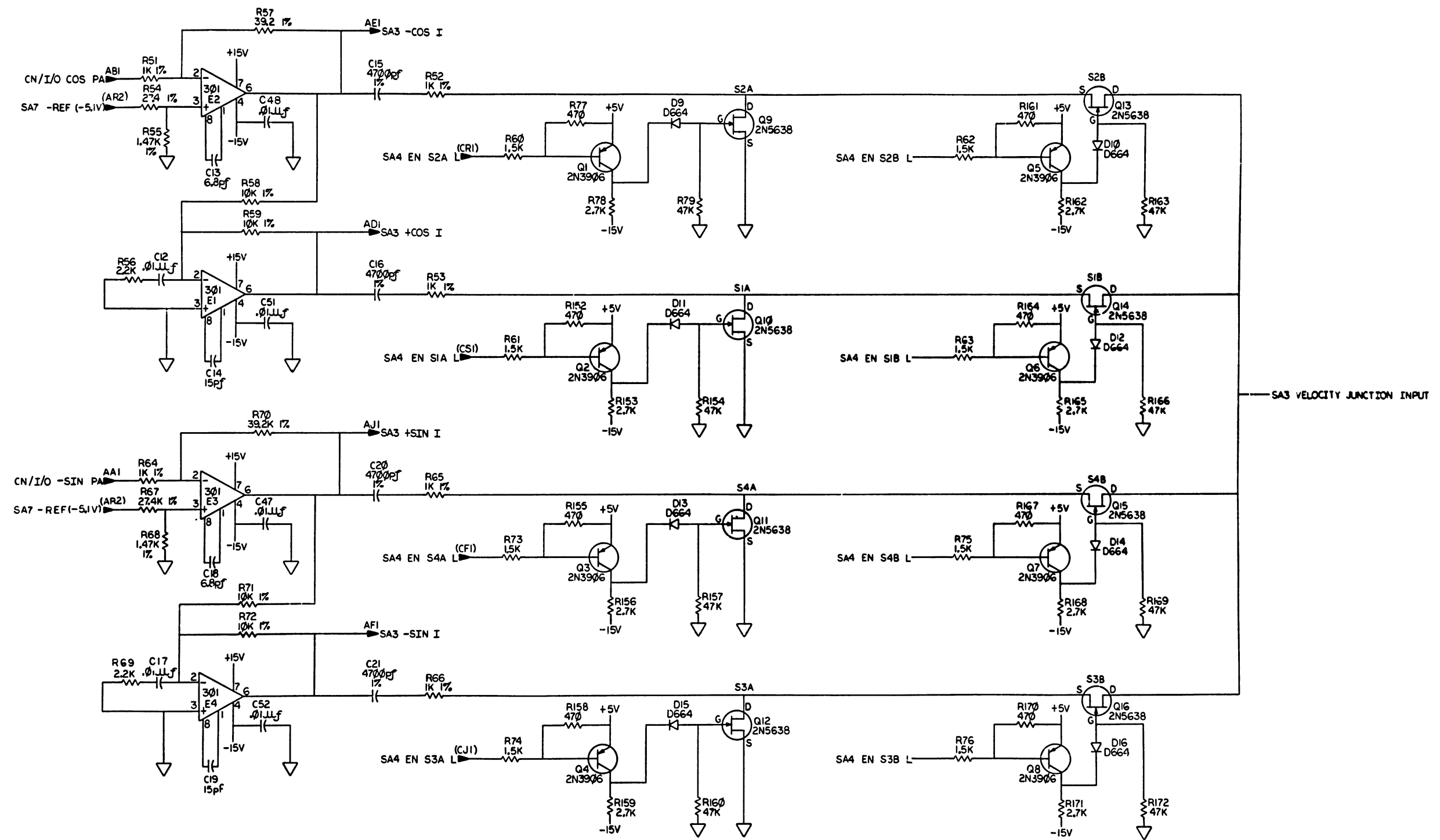
DRN. S. Gandy	3-15-77	FIRST USED ON	RK07	TITLE SERVO ANALOG (SAI)
CHK'D. J. Gandy	7-28-77	PROJ. ENG. M. Gandy	9-21-77	
ENG. J. Gandy	7-28-77	PROD. J. Gandy	9-21-77	
NEXT HIGHER ASSY.		SCALE	1/2"	
B-DD-M7906-0	SIZE CODE	D CS	M7906-0-1	REV. F
SHEET 1	OF 7	DIST.		

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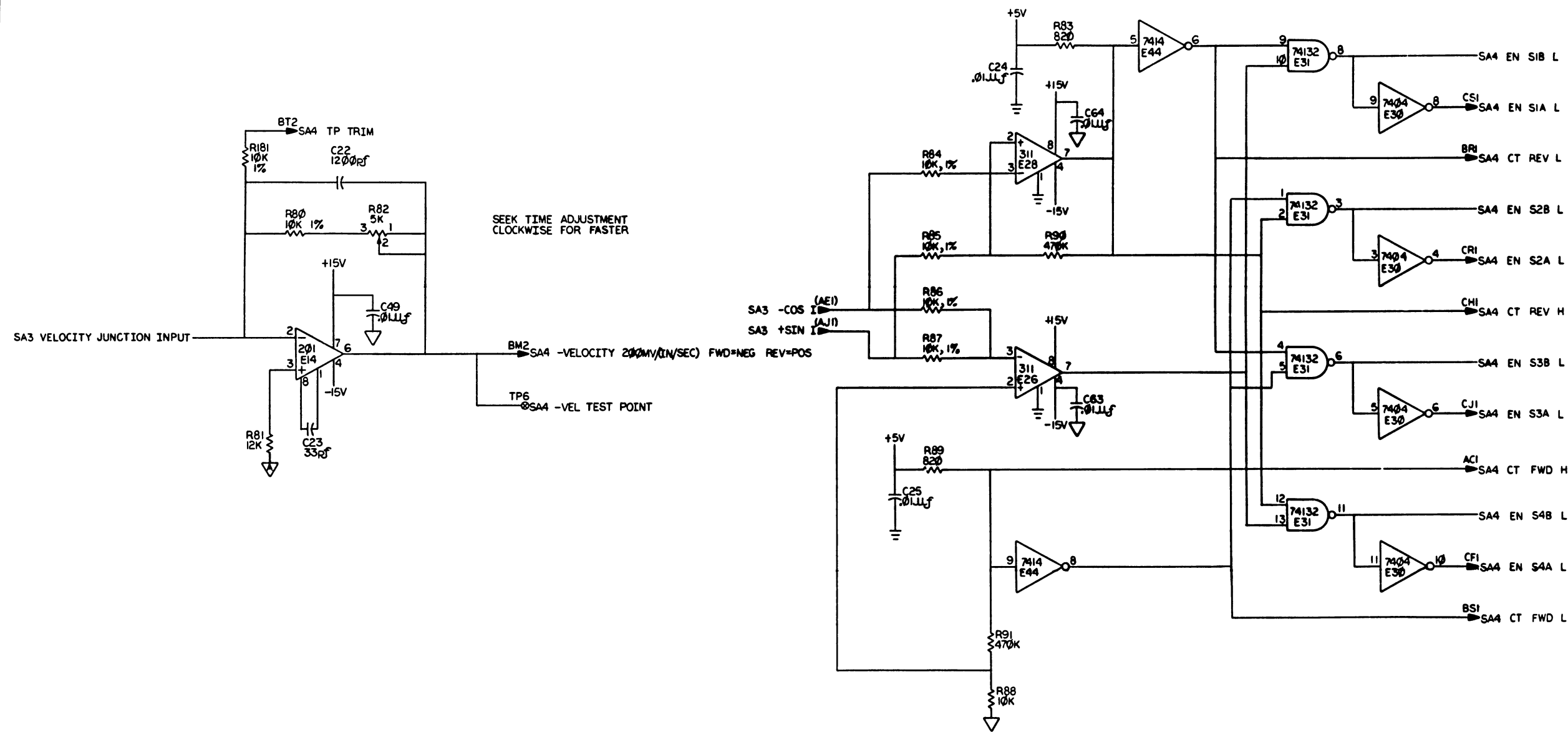
REVISIONS		
CHK	CHANGE NO	REV

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REVISIONS		
CHK	CHANGE NO	REV

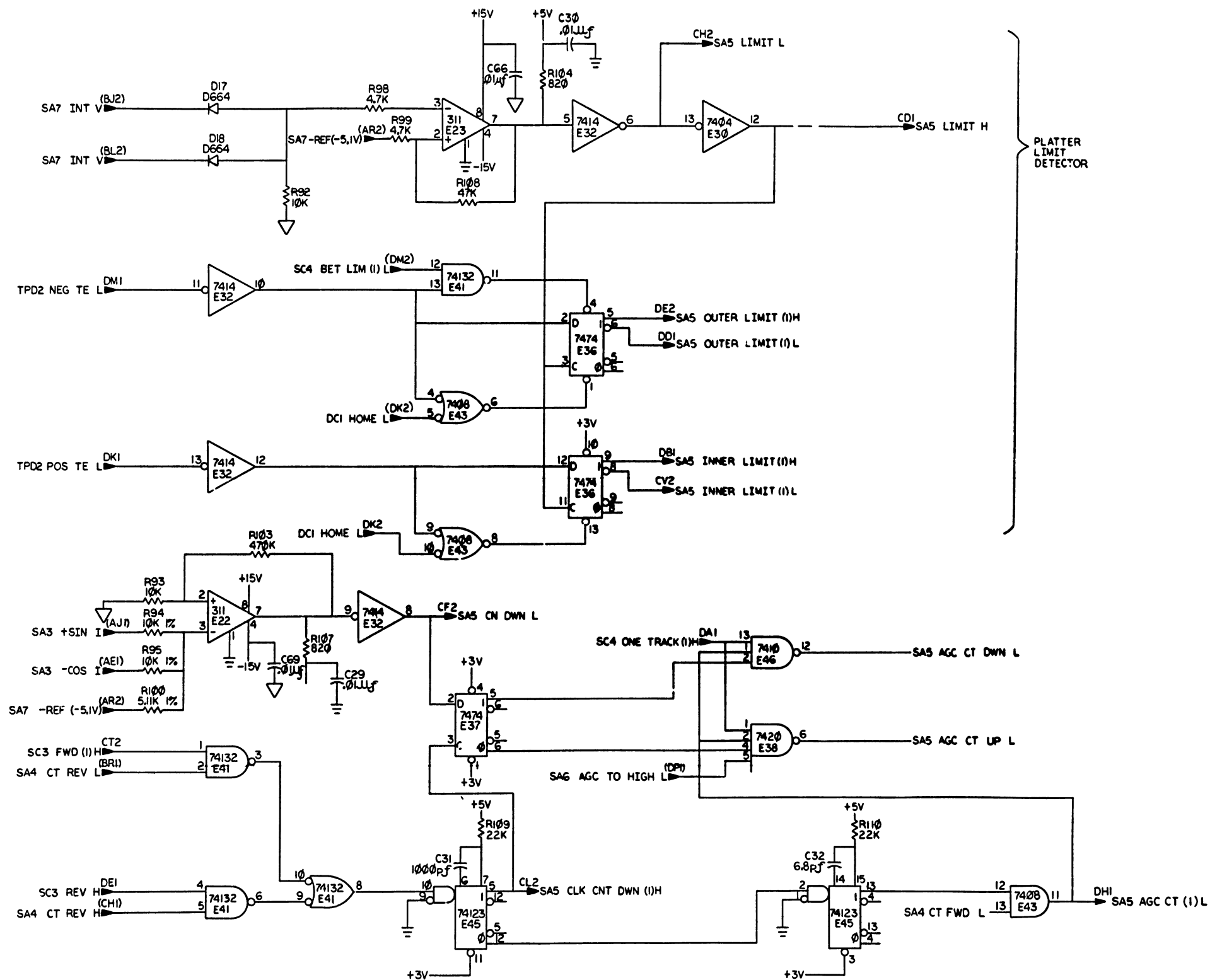
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REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
SERVO ANALOG (SA4)		D CS	M7906-0-1	F
SCALE		SHEET 4 OF 7		DIST.

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REVISIONS		
CHK	CHANGE NO	REV

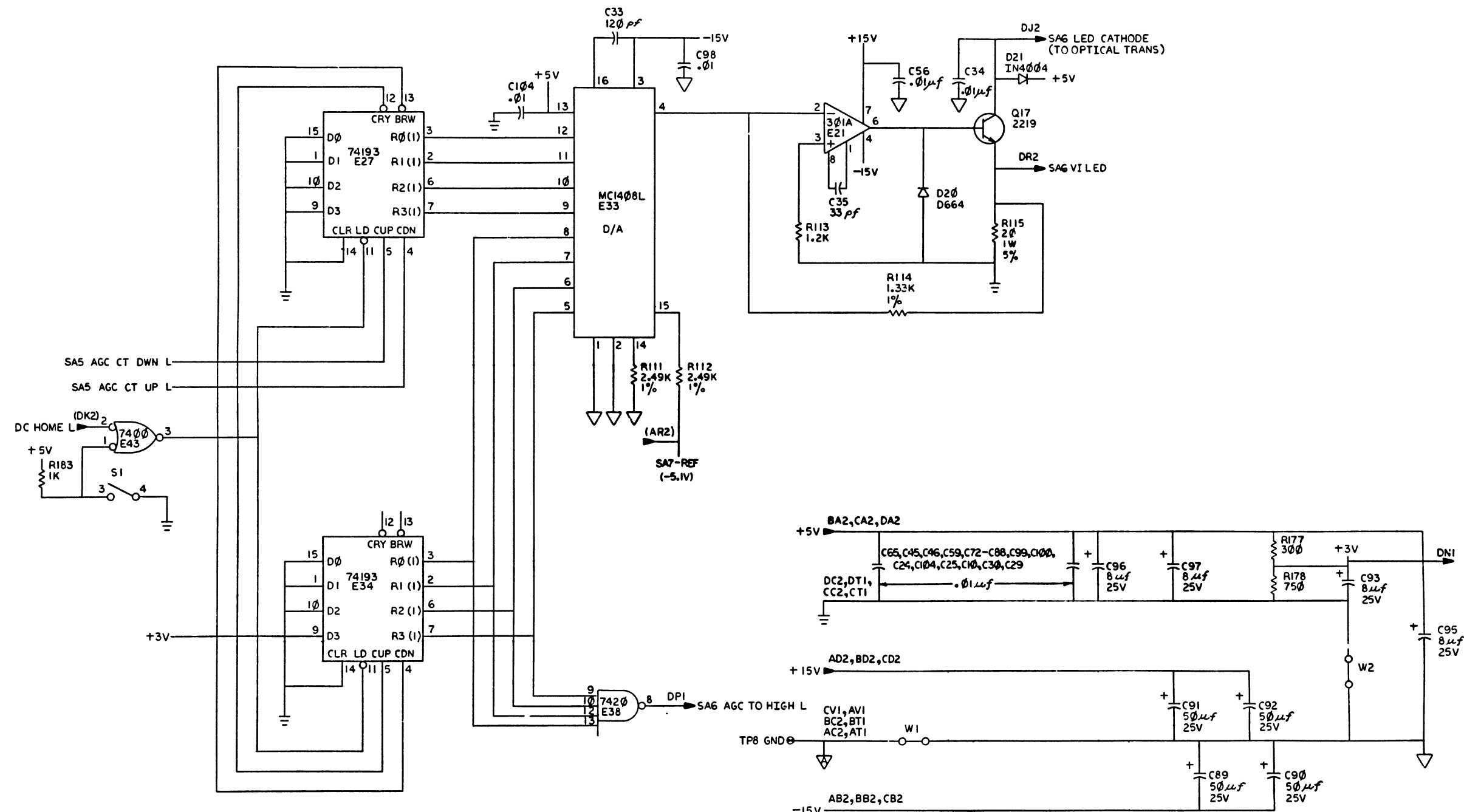
DEC FORM NO. 000 138

TITLE		SIZE CODE	NUMBER	REV.
SERVO ANALOG (SA5)		D CS	M7906-0-1	F
SCALE	7/7	SHEET	5 OF 7	DIST.

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1-0-9062W(S) 2

1



GLASS SCALE LED AGC CIRCUITRY

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER	REV.
SERVO ANALOG (SA6)		D	CS	M7906-0-1	F
SCALE		SHEET 6 OF 7		DIST.	

8

7

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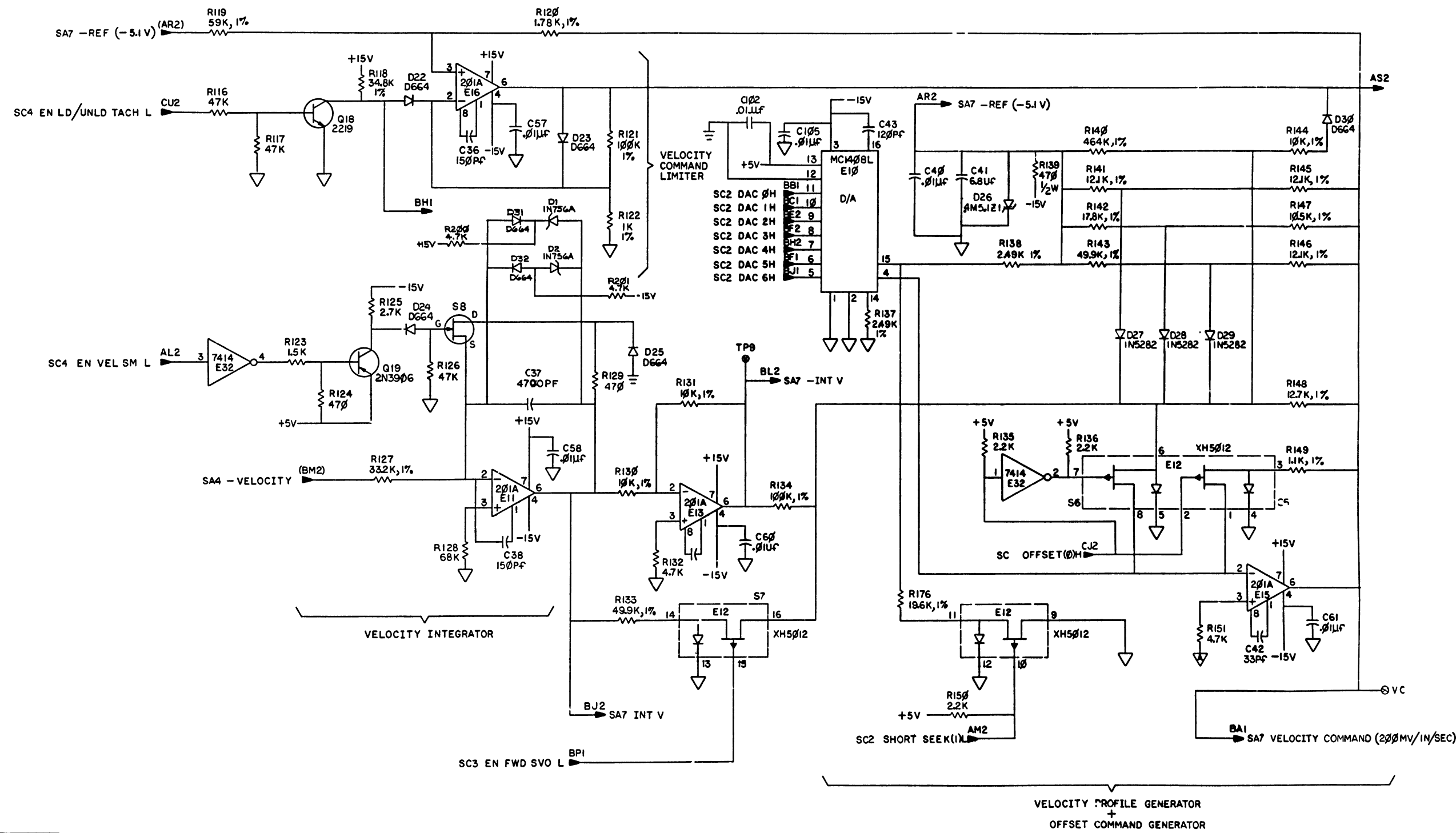
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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
1	1		5012048-00	M7906	1		
2	2		1000005-00	6.0 MMF 100V 50200PPM DM158	3		C13,C18,C32
3	3		1000009-00	33.0 MMF 100V 50200PPM DM158	9		C1-C3,C6,C7,C23,C35,C39,C42
4	4		1000018-00	120.0 MMF 100V 50200PPM DM158	2		C33,C43
5	5		1000019-00	150.0 MMF 100V 50200PPM DM158	2		C36,C38
6	6		1000042-00	1000.0 MMF 100V 50200PPM DM158	1		C31
7	7		1000060-00	6000.0 MMF 200V 10% 192P NYLR	1		C44
8	3		1001610-01	.01 MFD 100V -20+80 25U DISC	60		C10,C12,C17,C24,C25,C29,C34,C30,
						CONT	C40,C45-C66,C69-C80,C90-C106
9	9		1010978-36	.1 MFD 50V 10% 2C067 CER	1		C5
10	10		1002424-00	1200.0 MMF 100V 50200PPM DM158	2		C11,C22
11	11		1002427-00	15.0 MMF 100V 50200PPM DM158	2		C14,C19
12	12		1001633-00	*** THIS ITEM IS NOT USED ***	-		
13	13		1005306-00	6.0MFD 35V 10% 8.TANT	2		C9,C41
14	14	BLANK			0		
15	15		1009312-00	4700.0 MMF 100V 1% 663UW NYLR	6		C0,C15,C16,C20,C21,C37
16	16	BLANK			0		
17	17		1012004-01	0 MFD 25V G0 30D AL EL	4		C93,C95-C97
18	18		1001796-00	50 MFD 25V G0 30D AL EL	4		C89-C92
19	19		1100114-00	D 664 08178PCB PIV= 25V SP	22		D3,D4,D7-D10,D20,D22-D25,D30,
						CONT	D32,D33
20	20		1105796-00	1N 4004 PIV=400 In 1A D041 SP	1		D21
21	21		1105873-00	4MS-1AX1 VZ= 5.1 1% .400W	2		D26,D31
22	22		1109291-00	1N 754A VZ= 0.0 5% .40W	2		D5,D6
23	23		1113003-00	IN 5202 PIV=55 I=500M D036	3		D27-D29
24	24		1300271-00	*** THIS ITEM IS NOT USED ***	-		
25	25		1300400-00	12 K 1/4W 5% CC	1		R01
26	26		1300315-00	470 1/2W 5% CC	2		R139,R182
27	27		1300316-00	470 1/4W 5% CC	10		R77,R124,R152,R155,R158,R161,

REVISION HISTORY			BASIC PART NO: M7906		DRN: S.KLOTZLE	DATE: 01-NOV-78	DIGITAL									
ENG	ECO NUMBER	REV	SECTION A OF A													
C,L	M7906-ML004	E	SECTION VARIATION INDEX		CHK'D: P.BOSSMAN	DATE: 01-NOV-78	TITLE PARTS LIST									
M,C	M7906-ML006	F	[A] 00				SERVO ANALOG									
			[B]		DES.ENG: M.SIDMAN		DATE: 01-NOV-78									
			[C]													
			[D]													
			[E]													
			[F]		RESP.ENG.: M.SIDMAN		DATE: 01-NOV-78									
			[H]													
			[J]													
			[K]		MFG.ENG.: M.RAYMOND		DATE: 01-NOV-78									
			[L]													
			[M]		ASSEMBLY NUMBER:											
			[N]		ID-UA-M7906-B-C											
							SIZE CODE NUMBER REV									
							K PL M7906-B-DBP F									
							FILE NAME: EDIT 0									
							Z0477F,PL8 0									

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
28	28		1300365-00	1 K 1/4W 5% CC	2	CONT	R164,R167,R170,R129
							R40,R183

29	29	1303114-00	1.0	K 1/4W	1% RN55D-F	100PPM	9	R23,R24,R51-R53,R64-R66,R122
30	30	1301320-00	1.2	K 1/4W	5% CC		1	R113
31	31	1300391-00	1.5	K 1/4W	5% CC		9	R60-R63,R73-R76,R123
32	32	1300411-00	2	K 1/4W	1% 100PPM		1	R125
33	33	1300417-00	2.2	K 1/4W	5% CC		14	R8-R11,R26-R30,R56,R69,R135,
								CONT R136,R150
34	34	1300426-00	2.7	K 1/4W	5% CC		8	R70,R153,R156,R159,R162,R165,
								CONT R168,R171
35	35	1300447-00	4.7	K 1/4W	5% CC		13	R5,R18,R34,R35,R43-R45,R98,R99,
								CONT R132,R151,R200,R201
36	36	1300479-00	10	K 1/4W	5% CC		5	R12,R42,R80,R92,R93
37	37	1300525-00	59	K 1/4W	1% RN55D-F	100PPM	1	R119
38	38	1300539-00	120	K 1/4W	5% CC		1	R49
39	39	1301401-00	750	1/4W	5% CC		1	R170
40	40	1301775-00	820	1/4W	5% CC		5	R47,R83,R89,R104,R107
41	41	1301808-00	22	K 1/4W	5% CC		2	R109,R110
42	42	1302177-00	47	K 1/4W	5% CC		13	R46,R79,R100,R116,R117,R126,
								CONT R154,R157,R160,R163,R166,R169,
								CONT R172
43	43	1312993-00	20	1W	5% CC		1	R115
44	44	1301327-00	60	K 1/4W	5% CC		1	R120
45	45	1302390-00	470	K 1/4W	5% CC		3	R90,R91,R103
46	46	1302612-00	1.70	K 1/4W	1% RN55D-F	100PPM	1	R120
47	47	1302941-00	14.7	K 1/4W	1% RN55D-F	100PPM	1	R22
48	48	1303043-00	464	K 1/4W	1% RN55D-F	100PPM	1	R140
49	49	1303044-00	100	K 1/4W	1% RN55D-F	100PPM	5	R6,R7,R21,R121,R134
50	50	1303156-00	34.0	K 1/4W	1% RN55D-F	100PPM	1	R110
51	51	1303179-00	0.2	K 1/4W	5% CC		1	R37
52	52	1303312-00	10.0	K 1/4W	1% RN55D-F	100PPM	25	R1,R3,R13-R17,R40,R41,R59,R80,
								CONT R59,R71,R72,R80,R84-R87,R94,R95,
								CONT R130,R131,R144,R101
53	53	1303313-00	12.1	K 1/4W	1% RN55D-F	100PPM	3	R141,R145,R146
54	54	1304054-00	5.1	K 1/4W	1% RN55D-F	100PPM	1	R100
55	55	1305100-00	1.47	K 1/4W	1% RN55D-F	100PPM	2	R55,R60
56	56	1305120-00	5.62	K 1/4W	1% RN55D-F	100PPM	1	R25
57	57	1305265-00	39.2	K 1/4W	1% RN55D-F	100PPM	2	R57,R70
58	58	1305336-00	200	K 1/4W	1% RN55D-F	100PPM	2	R19,R20
59	59	1305252-00	60.1	K 1/4W	1% RN55D-F	100PPM	1	R127
60	60	1305422-00	137	K 1/4W	1% RN55D-F	100PPM	2	R33,R36
61	61	1309143-00	5	K 3/4W	10% POT	100PPM	1	R82
62	62	1309143-10	10	K 3/4W	20% POT	100PPM	1	R31
63	63	1309417-00	27.4	K 1/4W	1% RN55D-F	100PPM	2	R54,R67
64	64	1309419-00	19.6	K 1/4W	1% RN55D-F	100PPM	3	R176,R179,R180
65	65	1310630-00	1.33	K 1/4W	1% RN55D-F	100PPM	1	R114
66	66	1305427-00	590	K 1/4W	1% RN55D-F	100PPM	1	R32

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							SERVO ANALOG			K	PL	M7926-0-DBP	F
AUTOMATED BY PRTLST,2E(3)							PARTS	LIST		SHEET A3 OF A4			

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
67	67		1312626-00	2.49 K 1/4W 1% RN55D-F 100PPM	4		R111,R112,R137,R138
68	68		1312747-00	56.2 K 1/4W 1% RN55D-F 100PPM	2		R30,R39
69	69		1312987-00	10.5 K 1/4W 1% RN55D-1052F	1		R147
70	70		1312988-00	49.9 K 1/4W 1% RN55D-H992F	2		R133,R143
71	71		1312989-00	17.8 K 1/4W 1% RN55D-1702F	1		R142
72	72		1312990-00	12.7 K 1/4W 1% RN55D-1272F	1		R140
73	73		1301425-00	300 1/4W 5% CC	1		R177

74	74	1304855-00	9.09 K 1/4W 1% RN55D-F 100PPM	2	R2,R4
75	75	1501881-00	DEC2219 NPN 3WC SI 30100	2	Q17,Q18
76	76	1509525-00	2N 3906 PNP 310MW SI 40100 Y	9	Q1-Q8,Q19
77	77	1511095-00	2N 5638 FET 310MW SIN CHNNL	9	Q9-Q16,Q20
78	78	1302645-00	1.1 K 1/4W 1% RN55D-F 100PPM	1	R149
79	79	1905547-00	7474 FF-D DUAL,EDGE TRIGG	2	E36,E37
80	80	1905576-00	7410 NAND GATE-TRIPLE 3IN	1	E46
81	81	1905577-00	7420 NAND GATE-DUAL 4INPU	1	E38
82	82	1905590-00	DEC 7401 NAND GATE-QUAD 2IN,0	1	E35
83	83	1910282-00	301AM OP AMP	5	E1-E4,E21
84	84	1909606-00	7404 INVERTER GATE-HEX 1I	1	E30
85	85	1910018-00	DEC 74193 COUNTER,SYNCHR. UP/D	2	E27,E34
86	86	1910155-00	DEC 7400 AND GATE,POS.QUAD 2I	1	E43
87	87	1910298-00	741 OP AMP GEN PURP. COM	1	E9
88	88	1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	2	E39,E45
89	89	1911143-00	DEC 201A OP AMP	10	E6-E8,E11,E13-E17,E25
90	90	1911324-00	7414 INVERTER,HEX 1IN SCH	2	E32,E44
91	91	1911629-00	1400L8 DAC, 8BIT	2	E10,E33
92	92	1911637-00	74132 NAND GATE-QUAD 2 IN	2	E31,E41
93	93	1911706-00	5012 ANALOG SWITCH,4CHNL	3	E12,E19,E20
94	94	1914140-00	LM 311N VOLT CMPTTR	5	E22-E24,E26,E28
95	95	9007200-00	TRANSIPADS #10134	2	
96	96	1210209-00	SW,TOG,SPDT,.01A06V,ON/ON,SUBMIN	2	S1,S2
97	97	9000024-01	EYELET, ROLLED FLANGE, .121 OD X	8	
98	98	9007791-00	TERM PCB 2POS SOLDER,TURRET	10	TP1-TP10
99	99	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W2
100	100	1213113-01	HANDLE,MODULE,	1	
101	101	9105740-53	WIRE(WRAP)30AWG UL1423	A/R	
102	102	9107256-11	*** THIS ITEM IS NOT USED ***	-	
103	103	9107295-10	*** THIS ITEM IS NOT USED ***	-	
104	104	1103441-00	1N 756A VZ0 0.2 5% .40W P	2	D1,D2
105	105	D-C6-M7906-0-1	CIRCUIT SCHEMATIC	REF	
106	106	D-UA-M7906-0-0	UNIT ASSEMBLY	REF	
107	107	B-DD-M7906-0-0	DRAWING DIRECTORY	REF	
108	108	D-MD-5012848-0-0	DRILL AND ETCH DRAWING	REF	

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
0	NOTE:	USED ON;	OPTION/MODEL	RK07		
1	NOTE:	I,C,SPARES-	E5,E10,E29,E40,E42			

D

I

G

I

T

A

L

TITLE

SERVO ANALOG

SECTION A

OF A

SIZE

CODE

DOCUMENT NUMBER

REV

K

PL

M7906-0-DBP

F

AUTOMATED BY

PRTLST,2E(3)

PARTS

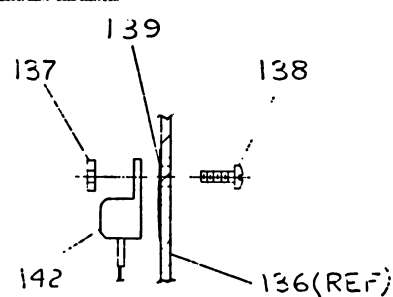
LIST

SHEET A4

OF A4

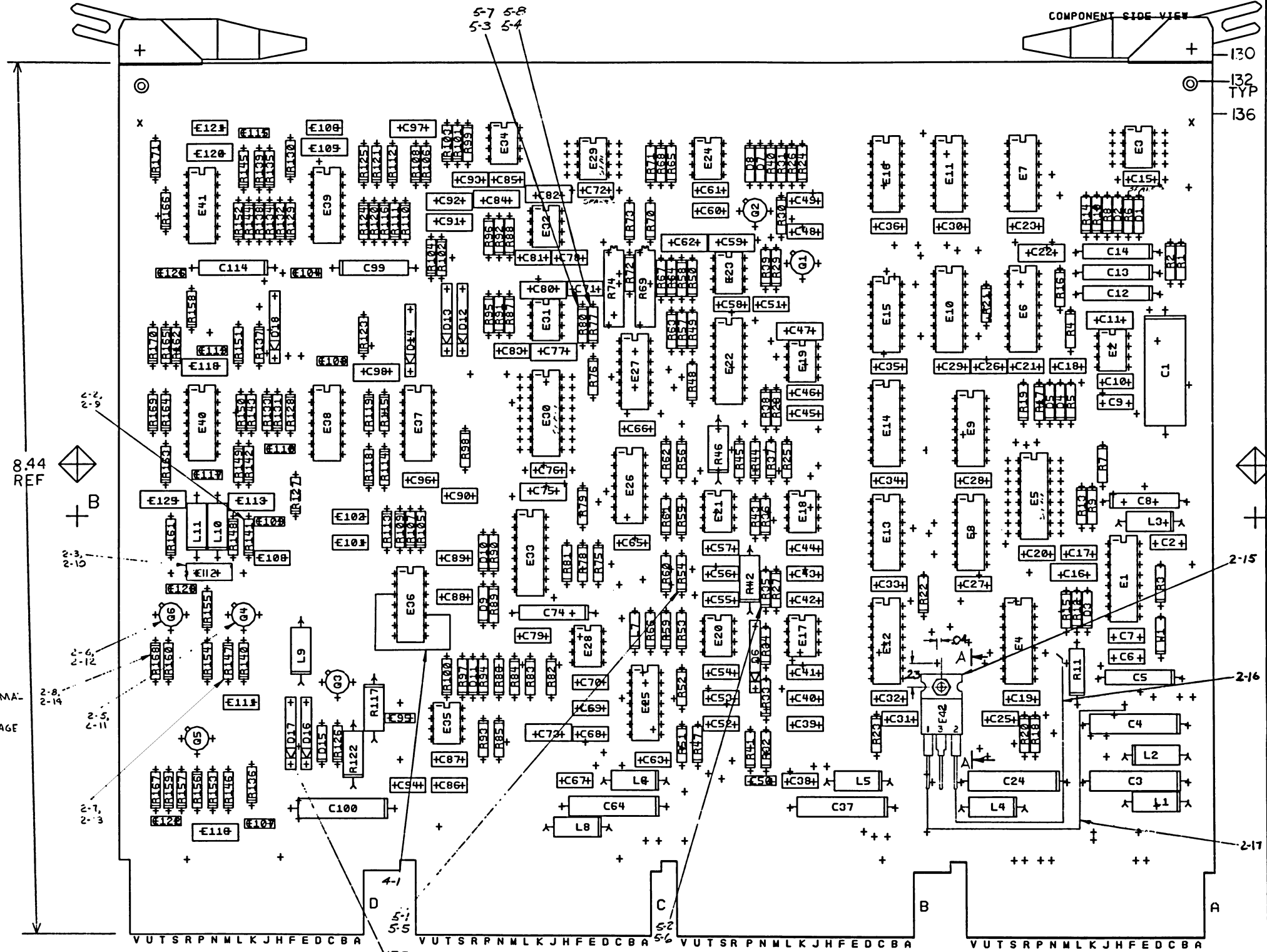
D I G I T A L							TITLE		SERVO ANALOG		SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
													K	PL	M7986-Q-DBP	F

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SECTION A-A
SCALE: NONE

REWORK INSTRUCTIONS
ECO # 2
ETCH CUTS SIDE 1:
2-1. TO RIGHT OF E4-11
COMPONENT DELETES SIDE 1:
2-2. R141 (P/N 130142-00)
2-3. C112 (P/N 1000009)
2-4. C124 (P/N 1000009)
2-5. Q4 (P/N 1503051)
2-6. Q6 (P/N 1503051)
2-7. R197 (P/N 1305114)
2-8. R168 (P/N 1305114)
COMPONENT ADDS SIDE 1:
2-9. R141 (P/N 1303114)
2-10. C112 (P/N 1002427) AND RELOCATE AS SHOWN
2-11. Q4 (P/N 1514999)
2-12. Q6 (P/N 1514999)
2-13. R197 (P/N 1304856)
2-14. R168 (P/N 1304856)
2-15. DRILL HOLE .12 DIA (#31 DRILL BIT, INSTALL E42 (P/N 1912536) AS SHOWN. TACK SOLDER PIN 3 TO GROUND ETCH DIRECTLY BELOW LEAD. SOLDER WIRES TO LEADS 1 AND 2 AND ADD SHRINK TUBING (P/N 9-0774) TO LEADS 1 AND 2. APPLY THERMAL COMPOUND BEFORE ATTACHING E42 TO BOARD (REFER TO SECTION A-A). NOTE: BE CAREFUL THAT NUT DOES NOT DAMAGE CASE OF E42 WHEN TACKING.
WIRE ADDS SIDE 1:
2-16. FROM E42-2 TO ETCH RUNNING UNDER R11, TACK SOLDER TO ETCH.
2-17. FROM E42-1 TO PTH ABOVE C4
ECO # 4
WIRE ADDS SIDE 1:
4-1. BETWEEN E36-3 AND E36-10
REWORK INSTRUCTIONS CONT ON PG 4.



NOTES:

1.	8 HOLES .045 [4-000-0045] MAYNARD ONLY
2.	ADD SOLDERING TO LEADS OF D14, D15, D16, D17, D18.

CHANGE NO	REV	DATE	BY	CHK'D	DATE	BY
1	REDRAWN					
2	M7908-001					
3	M7908-002					
4	M7908-003					
5	M7908-004					
6	M7908-005					
7	M7908-006					
8	M7908-007					
9	M7908-008					
10	M7908-009					
11	M7908-010					

ETCH REV. B-PI	DATE	BY
P.C. DESIGN DATA BASE REV. BL		

SIGNATURES	DATE	TITLE	SIZE	CODE	NUMBER	REV
DRN. AT...						
CHK'D...						
ENG. M. SIDMAN	7-25-77	TPC/PLC				
PROJ. ENG. V. SIDMAN	7-25-77					
PROD.						
SCALE 2/1						
SHT. 1 OF 4						
NEXT HIGHER ASSY. E-00-M7908-0-0						

8

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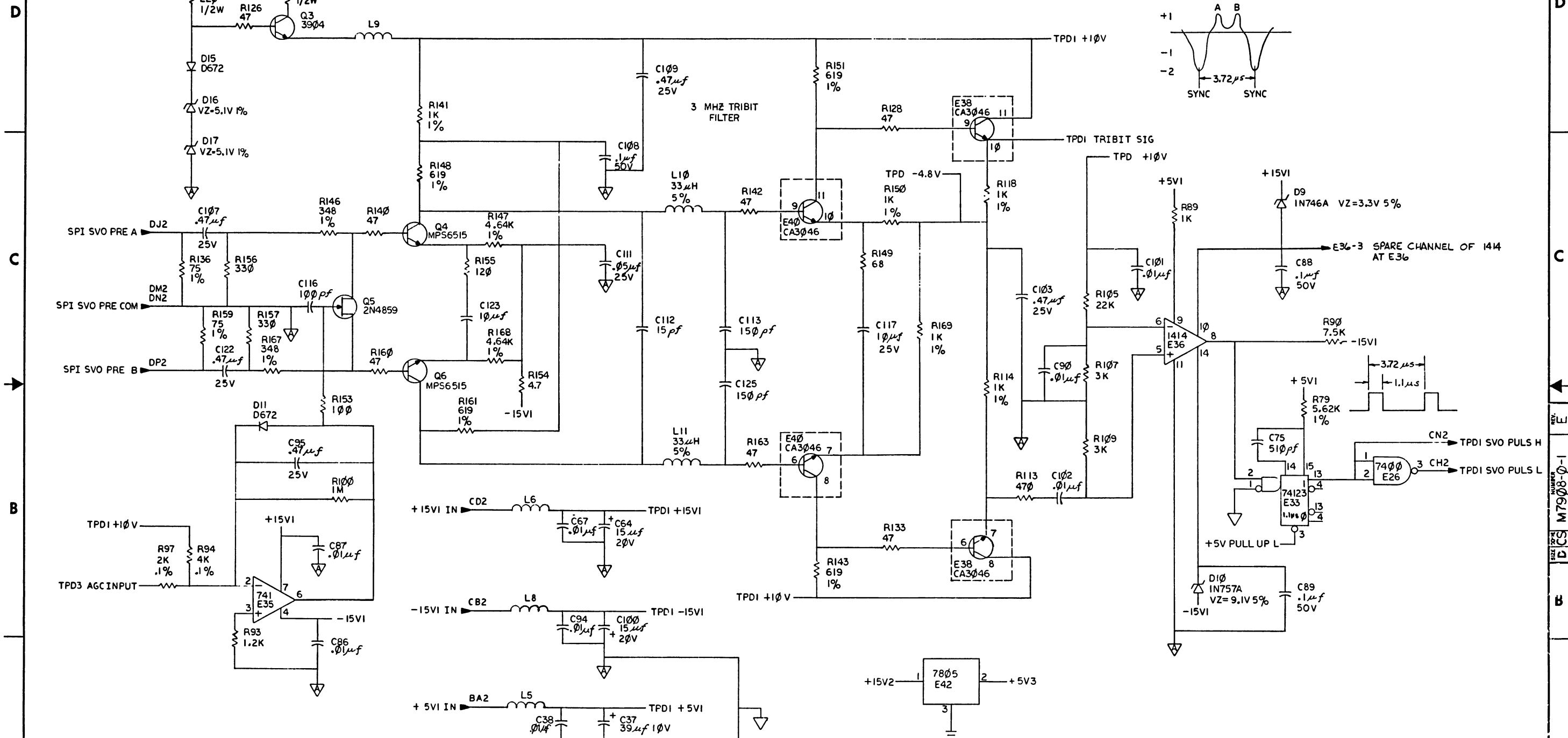
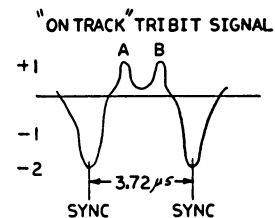
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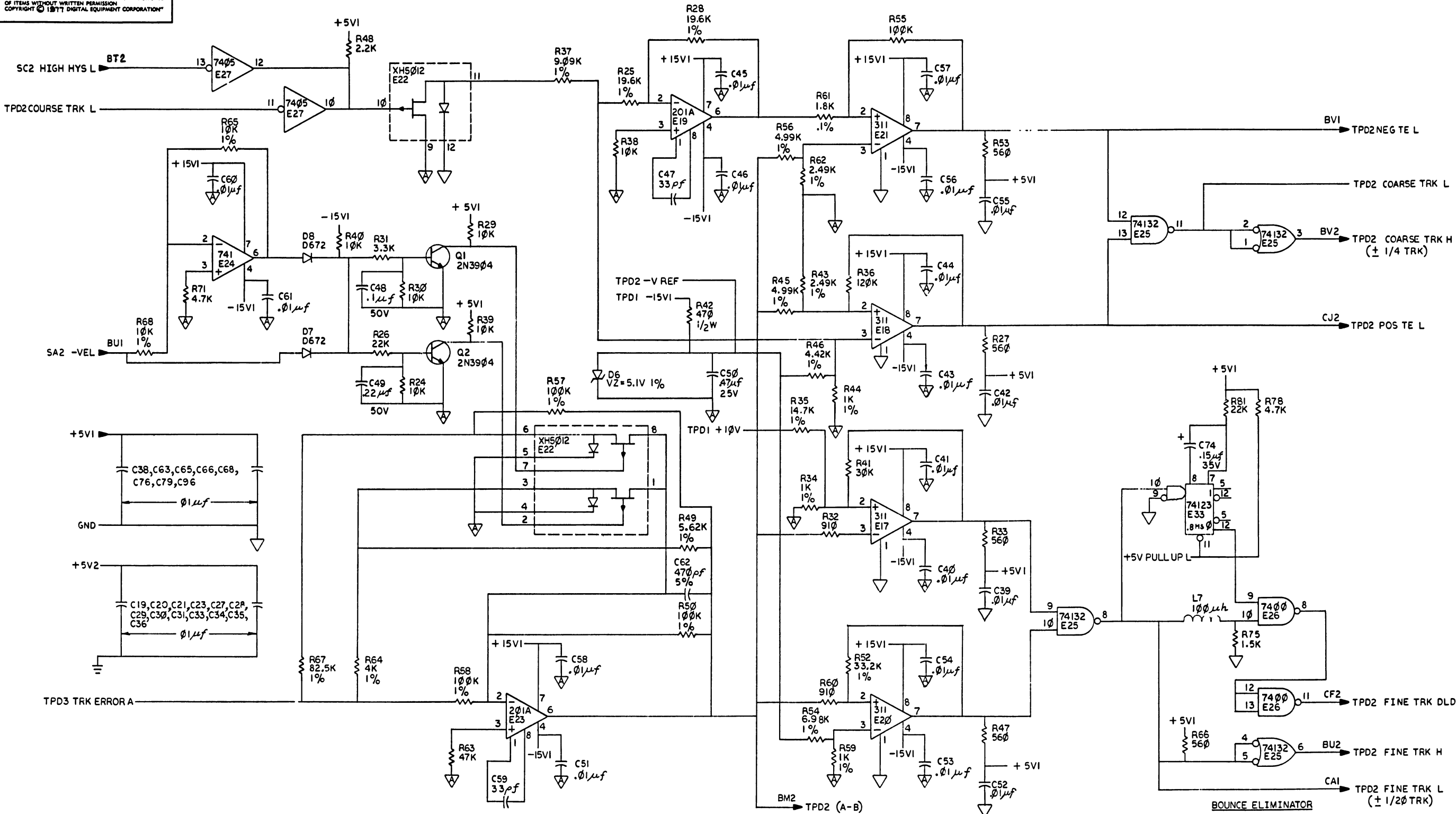
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+ 10 VOLT SUPPLY



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REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO.
 DRD 138

TITLE		SIZE CODE	NUMBER	REV.
TPD/PLO		D CS	M7908-0-1	E
SCALE	SHEET 2 OF 4	DIST.		

DEC FORM NO

LINE	ITFM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	1	D-CS-M7908-0-1		CIRCUIT SCHEMATIC	REF	
2	2	D-UA-M7908-0-0		UNIT ASSEMBLY	REF	
3	3	R-DD-M7908-0-0		DWG DIRECTORY	REF	
4	4	D-MD-5012933-0-0		DRILL & ETCH DWG	REF	
5	5		10000006-00	10.0 MMF 100V 5%200PPM DM158	1	C32
6	6		10000009-00	33.0 MMF 100V 5%200PPM DM158	4	C11,C47,C59,C80
7	7		10000011-00	47.0 MMF 100V 5%200PPM DM158	1	C22
8	8		10000012-00	56.0 MMF 100V 5%200PPM DM158	1	C77
9	9		10000016-00	100.0 MMF 100V 5%200PPM DM158	5	C98,C105,C116,C118,C120
10	10		10000019-00	150.0 MMF 100V 5%200PPM DM158	3	C84,C113,C125
11	11		10000024-00	470.0 MMF 100V 5%200PPM DM158	2	C62,C97
12	12		10000037-00	.22 MFD 100V 10% 663F MYLR	1	C1
13	13		10000076-00	.39 MFD 10V 10% 150D S.TA	1	C37
14	14		1001610-01	.01 MFD 100V -20+80 Z5U DISC	60	C9,C10,C17,C19,C20,C21,C23,C25,C27-C31, CONT C33-C36,C38-C46,C51-C58,C60,C61,C63, CONT C65-C71,C76,C78,C79,C81,C83,C85-C87,C90, CONT C93,C94,C96,C101,C102,C106,C121
15	15		1001739-00	27.0 MMF 100V 5%200PPM DM158	1	C16
16	16		1001774-00	.05 MFD 25V X% Y5U DISC	1	C111
17	17		10000005-00	6.8 MMF 100V 5%200PPM DM158	1	C82
18	18		1002424-00	1200.0 MMF 100V 5%200PPM DM158	2	C91,C92
19	19		1002476-00	510.0 MMF 100V 5%200PPM DM158	1	C75
20	20		1002667-00	10 MFD 50V 10% 150D S.TA	2	C4,C24
21	21		1004812-00	15 MFD 20V 10% S.TANT	2	C64,C100
22	22		1004813-00	10 MFD 20V 10% S.TANT	1	C3
23	23		1005306-00	6.8MFD 35V 10% S.TANT	1	C5
24	24		1009312-00	4700.0 MMF 100V 1% 663UW MYLR	3	C12,C99,C114
25	25		1009957-00	2200.0 MMF 100V 10% 663UW MYLR	3	C8,C13,C14
26	26		1010279-00	.47 MFD 25V 20% 2C023 CEP.	11	C50,C95,C103,C104,C107,C109,C110,C115, CONT C119,C122,C126

REVISION HISTORY			SECTION 1 OF 1	RESP.FNG.: M SIDMAN	DATE: 28-MAR-78	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION. VARIATION INDEX	MADE BY: S MARLOW	DATE: 28-MAR-78	TITLE		PARTS LIST	
D.R	00003	C	1.00	CHECKED: P BOSSMAN <th>DATE: 28-MAR-78</th> <td colspan="2">TPD/PLO</td> <td colspan="2"></td>	DATE: 28-MAR-78	TPD/PLO			
R.R	00004	D	2.	DSN.ENG.: M SIDMAN <th>DATE: 28-MAR-78</th> <td>SIZE</td> <td>CODE</td> <td>DOCUMENT NUMBER</td> <td>REV</td>	DATE: 28-MAR-78	SIZE	CODE	DOCUMENT NUMBER	REV
M.C	M7908-ML005	E	3.	PROD.: M SIDMAN <th>DATE: 28-MAR-78</th> <td>K</td> <td>PL</td> <td>M7908-0-DBP</td> <td>E</td>	DATE: 28-MAR-78	K	PL	M7908-0-DBP	E
			4.						
			5.						
			6.						
			7.						
			8.						
			9.						
			10.						
			11.						
			12.	ASSEMBLY NUMBER: D-UA-M7908-0-0		PART NUMBER:	M7908		EDIT 8

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
27	27		101097R-36	.1 MFD 50V 10% 2C067 CER	9	C2,C6,C7,C10,C26,C48,C88,C89,C100
28	28		1011895-00	.15 MFD 35V 10% 150D S.TA	1	C74
29	29		1100114-00	D 664 QS\75PCB PIV= 25V SP	4	D1,D2,D4,D5
30	30		1103041-00	DEC 777 QS=12PCB PIV= 8VS	2	D13,D18
31	31		1104860-00	1N 746A VZ= 3.5 5%	1	D9
32	32		1105275-00	D 672 TR= 15MS PIV= 60V SI	4	D7,D8,D11,D15
33	33		1105073-00	4M5-1AZ1 VZ= 5.1 1% .400W	6	D3,D6,D12,D14,D16,D17
34	34		1109990-00	1N 757A VZ= 9.1 5% .40W P	1	D10
35	35		1300202-00	47 1/4W 5% CC	17	R111,R115,R125,R126,R128,R129,R131,R133, CONT R137,P140,R142,R145,R152,R160,R163,R165. CONT R170
36	36		1300219-00	60 1/4W 5% CC	1	R149
37	37		1300229-00	100 1/4W 5% CC	1	R153
38	38		1300247-00	120 1/4W 5% CC	1	R155
39	39		1300271-00	220 1/4W 5% CC	2	R10,R85
40	40		1300274-00	220 1/2W 5% CC	1	R122
41	41		1300295-00	330 1/4W 5% CC	3	R20,R156,R157
42	42		1300308-00	390 1/2W 5% CC	1	R11
43	43		1300315-00	470 1/2W 5% CC	1	R42
44	44		1300316-00	470 1/4W 5% CC	1	R113
45	45		1300365-00	1 K 1/4W 5% CC	3	R3,R89,R99
46	46		1300391-00	1.5 K 1/4W 5% CC	2	R75,R86
47	47		1300432-00	3 K 1/4W 5% CC	2	R107,R109
48	48		1300439-00	3.3 K 1/4W 5% CC	4	R6,R8,R31,R99
49	49		1300444-00	3.9 K 1/4W 5% CC	1	R91
50	50		1300447-00	4.7 K 1/4W 5% CC	3	R71,R78,R96
51	51		1300479-00	10 K 1/4W 5% CC	9	R9,R24,R29,R30,R38-R40,R102,R104
52	52		1300539-00	120 K 1/4W 5% CC	1	R36
53	53		1305420-00	33.2 K 1/4W 1% RN55D-F 100PPM	1	R52
54	54		1301317-00	10 1/4W 5% CC	2	R116,R138
55	55		1301320-00	1.2 K 1/4W 5% CC	1	R93
56	56		1301322-00	180 1/4W 5% CC	2	R112,R139
57	57		1301422-00	7.5 K 1/4W 5% CC	1	R90
58	58		1301423-00	6.8 K 1/4W 5% CC	1	R83
59	59		1002427-00	15.0 MMF 100V 5%200PPM DM158	1	C112
60	60		1301775-00	820 1/4W 5% CC	1	R51
61	61		1305127-00	4 K 1/4W 1% RN55D-F 100PPM	1	R64
62	62		1301808-00	22 K 1/4W 5% CC	7	R16,R21-R23,R26,R81,R105
63	63		1301890-00	560 1/4W 5% CC	5	R27,R33,R47,R53,R66
64	64		1302092-00	220 K 1/4W 5% CC	1	R82
65	65		1302177-00	47 K 1/4W 5% CC	1	R63
66	66		1302388-00	2 K 1/4W 5% CC	1	R84
67	67		1302394-00	30 K 1/4W 5% CC	1	R41
68	68		1302466-00	100 K 1/4W 5% CC	1	R55
69	69		1305354-00	4 K 1/4W .1% RN55C-B 50PPM	1	R94
70	70		1302859-00	5.76 K 1/4W 1% RN55D-F 100PPM	1	R13
71	71		1311522-00	200 1/4W 5% CC	1	R76
72	72		1303044-00	100 K 1/4W 1% RN55D-F 100PPM	3	R50,R57,R58

O	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							TPD/PLO					K	PL	M7908-0-D8P	E

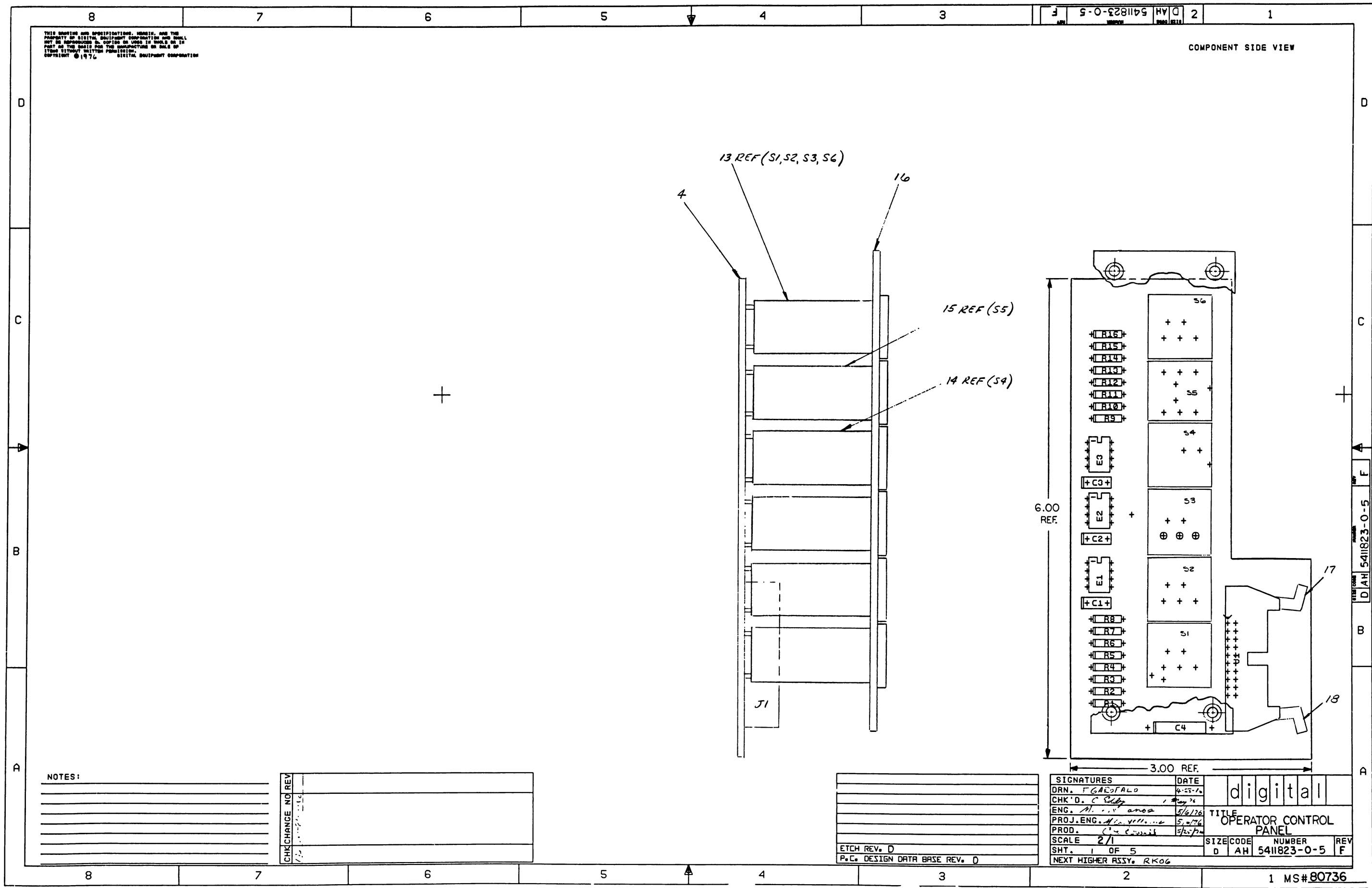
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
73	73		1300417-00	2.2 K 1/4W 5% CC	1	R48
74	74		1312626-00	2.49 K 1/4W 1% RN55D-F 100PPM	2	R43,R62
75	75		1303045-00	3.16 K 1/4W 1% RN55D-F 100PPM	1	R7
76	76		1303064-00	75 1/4W 1% RN55D-F 100PPM	2	R136,R159
77	77		1303114-00	1.0 K 1/4W 1% RN55D-F 100PPM	14	R1,R4,R5,R12,R34,R44,R59,R114,R118,R132,
					CONT	R150,R162,R169,R141
78	78		1303303-00	2.61 K 1/4W 1% RN55D-F 100PPM	4	R123,R130,R158,R166
79	79		1303311-00	*** THIS ITEM IS NOT USED ***	-	
80	80		1303312-00	10.0 K 1/4W 1% RN55D-F 100PPM	4	R65,R68,R12',R171
81	81		1304833-00	1.96 K 1/4W 1% RN55D-F 100PPM	1	R19
82	82		1304854-00	5.11 K 1/4W 1% RN55D-F 100PPM	4	R119,R124,R144,R164
83	83		1304855-00	9.09 K 1/4W 1% RN55D-F 100PPM	1	R37
84	84		1304858-00	340 1/4W 1% RN55D-F 100PPM	2	R146,R167
85	85		1305100-00	1.47 K 1/4W 1% RN55D-F 100PPM	1	R73
86	86		1304856-00	4.64 K 1/4W 1% RN55D-F 100PPM	2	R147,R168
87	87		1305126-00	619 1/4W 1% RN55D-F 100PPM	4	R143,R148,R151,R161
88	88		1305120-00	5.62 K 1/4W 1% RN55D-F 100PPM	2	R49,R79
89	89		1305130-00	133 K 1/4W 1% RN55D-F 100PPM	1	R72
90	90		1305252-00	68.1 K 1/4W 1% RN55D-F 100PPM	5	R10,R14,R70,R120,R134
91	91		1305324-00	4.99 K 1/4W 1% RN55D-F 100PPM	4	R45,R56,R110,R135
92	92		1305353-00	2 K 1/4W 1% RN55C-B 50PPM	1	R97
93	93		1305374-00	910 1/4W 5% CC	2	R32,R60
94	94		1305431-00	10 K 1/4W 1% RN55E-B 25PPM	5	R87,R88,R92,R95,R106,R108
95	95		1309143-10	1 M 3/4W20% POT 100PPM	1	R69
96	96		1309143-10	10 K 3/4W20% POT 100PPM	1	R74
97	97		1309295-00	1.0 K 1/4W 1% RN55E-B 25PPM	1	R61
98	98		1309314-00	4.42 K 1/2W 1% RN60D-F 100PPM	1	R46
99	99		1309413-00	3.03 K 1/4W 1% RN55D-F 100PPM	1	R15
100	100		1309419-00	19.6 K 1/4W 1% RN55D-F 100PPM	2	R25,R28
101	101		1309420-00	8.25 K 1/4W 1% RN55D-F 100PPM	1	R17
102	102		1309595-00	1 M 1/4W 5% CC	2	R2,R100
103	103		1309995-00	56 1/2W 5% CC	1	R117
104	104		1310636-00	82.5 K 1/4W 1% RN55D-F 100PPM	1	R67
105	105		1312988-00	49.9 K 1/4W 1% RN55D-H992F	1	R101
106	106		1000010-00	120.0 MWF 100V 5%200PPM DM15A	1	C73
107	107		1514999-00	MP86515 NPN 350MW 8I 25 250	2	Q4,Q6
108	108		1509524-00	2N 3904 NPN 310MW 8I 40 40 M	3	Q1-Q3
109	109		1509900-00	2N 4859 FET 360MW 8IN CHNNL	1	Q5
110	110		1601759-00	33 UH 5% 300MA	2	L10,L11
111	111		1610662-00	100.0 UH 10% 165MA #DD1 00	1	L7
112	112		1611257-01	CHOKE(CERAMIC BEAD)AXIAL LEAD,ON	8	L1-L6,L8,L9
113	113		1010866-02	10 MFD 25V Y% 196D TANT	2	C117,C123
114	114		1905547-00	7474 FF-D DUAL,EDGE TRIGG	1	E8
115	115		1905575-00	7400 NAND GATE-QUAD 2IN	4	E11,E15,E16,E26
116	116		1905576-00	7410 NAND GATE-TRIPLE 3IN	1	E13
117	117		1909686-00	7404 INVERTER GATE-HEX 1I	1	E9
118	118		1909930-00	7405 INVERTER GATE-HEX 1I	2	E27,E37
119	119		1910293-00	741 OP AMP GEN PURP. COM	3	E24,E34,E35

D	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							TPD/PLO								
												K	PL	M7908-0-DBP	E

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
120	120		1910337-00	DEC 1414L VOLT.COMPAPATOR,DUAL	1	E36
121	121		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	3	E6,E12,E33
122	122		1910544-00	74874 FF-D DUAL,EDGE TRIGG	1	E7
123	123		1910650-00	74161 COUNTER,SYNCHR. UP	3	E4,E10,E14
124	124		1911143-00	DEC 201A OP AMP	5	E2,E19,E23,E31,E32
125	125		1911637-00	74132 NAND GATE-QUAD 2 IN	1	E25
126	126		1911706-00	5012 ANALOG SWITCH,4CHNL	1	E22
127	127		1911911-00	DEC 74S124 OSCILLATOR,DUAL VOLT	1	E1
128	128		1913017-00	3046 XSISTOP ARRAY,3 ISOL	4	E38-E41
129	129		1914140-00	LM 311N VOLT CMPRTF	5	E17,E18,E20,E21,E28
130	130		1213113-01	HANDLE,MODULE,	1	
131	131		1305890-00	4.7 1/4W 5% CC	1	R154
132	132		9000024-01	EYELET, ROLLED FLANGE, .121 OD X	8	
133	133		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	W1
134	134		1010978-40	.22 MFD 50V 10% 2C067 CER	1	C49
135	135		9107256-11	TUBING,THIN WALL,.027ID UL	A/R	
136	136		5012933-00	TPD/PLO	1	
137	137		9006537-00	NUT,KEP , 4-40X 1/4 AF	1	
138	138		9008301-01	SCREW,PAN ,PHIL, 4-40X 1/4	1	
139	139		9008268-00	COMPOUND, THERMAL JOINT	8	A/R
140	140		9107714-00	TUBING,SHRINK,P.094ID EXP. UL	A/P	
141	141		9107776-66	WIRE(WRAP)22AWG,IPVC UL1429 BL	A/R	
142	142	SEE NOTE 148	1912536-00	DEC 7805 VOLT.REG.FIX	1	E42
143	143		9105740-55	WIRE(WRAP)30AWG UL1423	A/P	
144	144		1303305-00	6.90 K 1/4W 1% RN55D-F 100PPM	1	R54
145	145		1302941-00	14.7 K 1/4W 1% RN55D-F 100PPM	1	R35
146	146		1305122-00	51.1 1/4W 1% RN55D-F 100PPM	1	R80
147	147		1311594-00	30.1 K 1/4W 1% RN55D-F 100PPM	1	R77

148 NOTE: P/N 19-12536-01, IC 7805 IS AN ACCEPTABLE ALTERNATE PART.

D	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							TPD/PLO					K	PL	M7908-0-D0P	E



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COMPONENT SIDE VIEW

NOTES:

CHG	NO	REV
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8

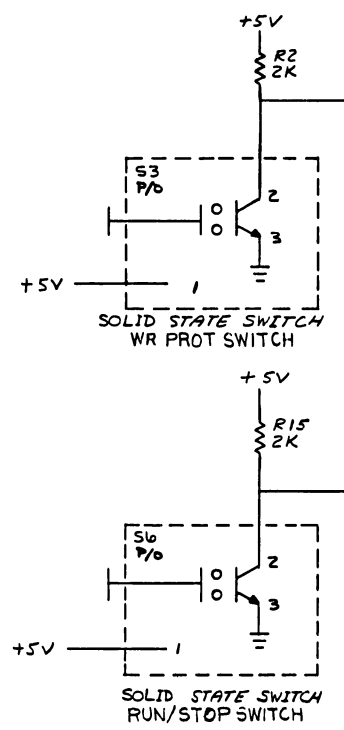
ETCH REV. D
P.C. DESIGN DATA BASE REV. 0

SIGNATURES	DATE	digital	TITLE
DRN. FGAED/FALO	4-55-76		
CHK'D. C. Rddy	1-2-76		
ENG. M. ... anoa	5/6/76		
PROJ. ENG. M. ... 5/6/76	5/6/76		
PROD. C. ... 5/6/76	5/6/76	OPERATOR CONTROL PANEL	NUMBER
SCALE 2/1	0 AH		
SHT. 1 OF 5	5411823-0-5		
NEXT HIGHER ASSY. RK06	REV	F	

1 MS#80736

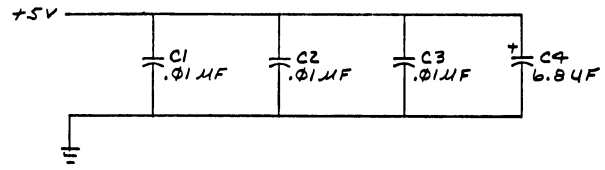
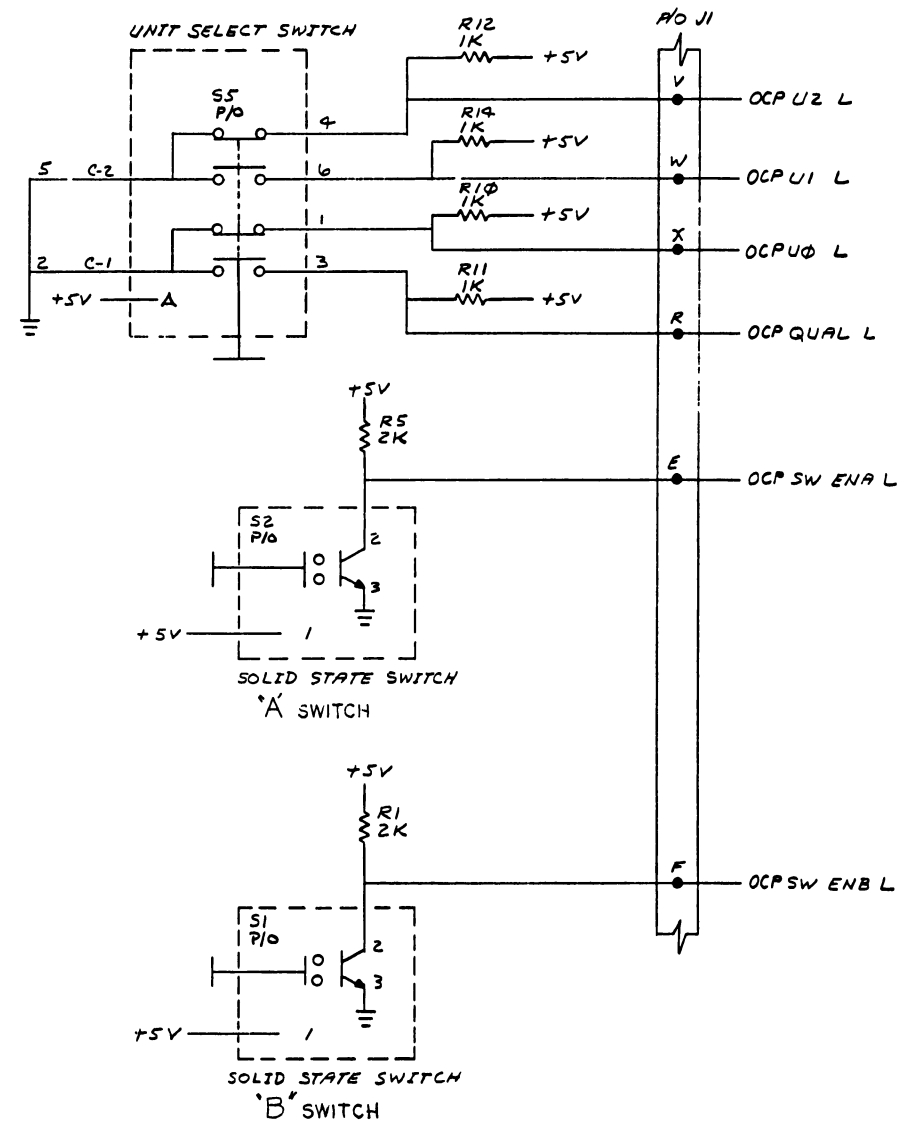
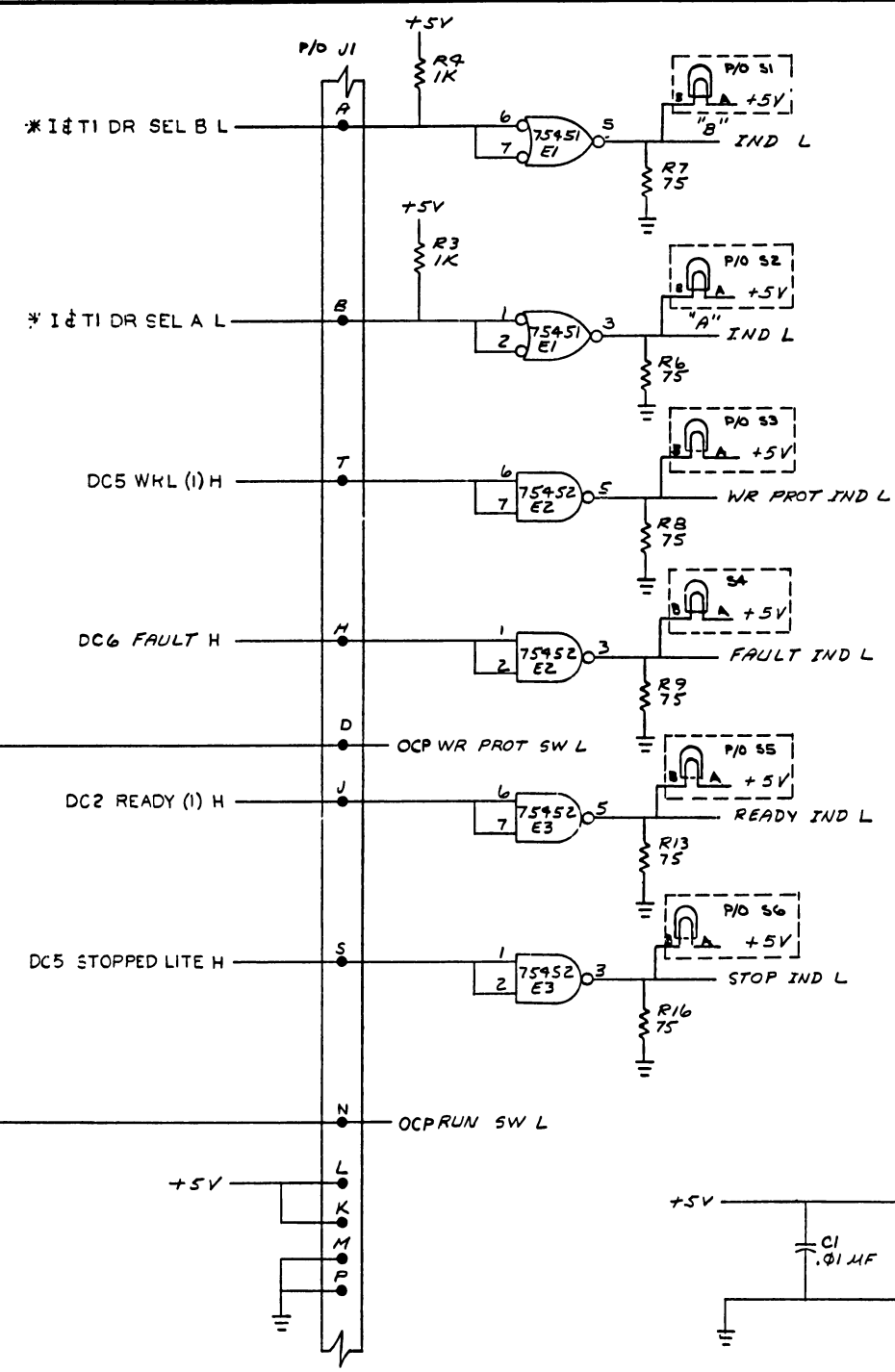
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* NOTE:
I & TI DR SEL B L IS FROM M7706
WHEN IN SLOT 2 OF CARD NEST.
I & TI DR SEL A L IS FROM M7706
WHEN IN SLOT 3 OF CARD NEST.



NOTES:
1. UNLESS OTHERWISE SPECIFIED
RESISTORS ARE 1/4W, 5%

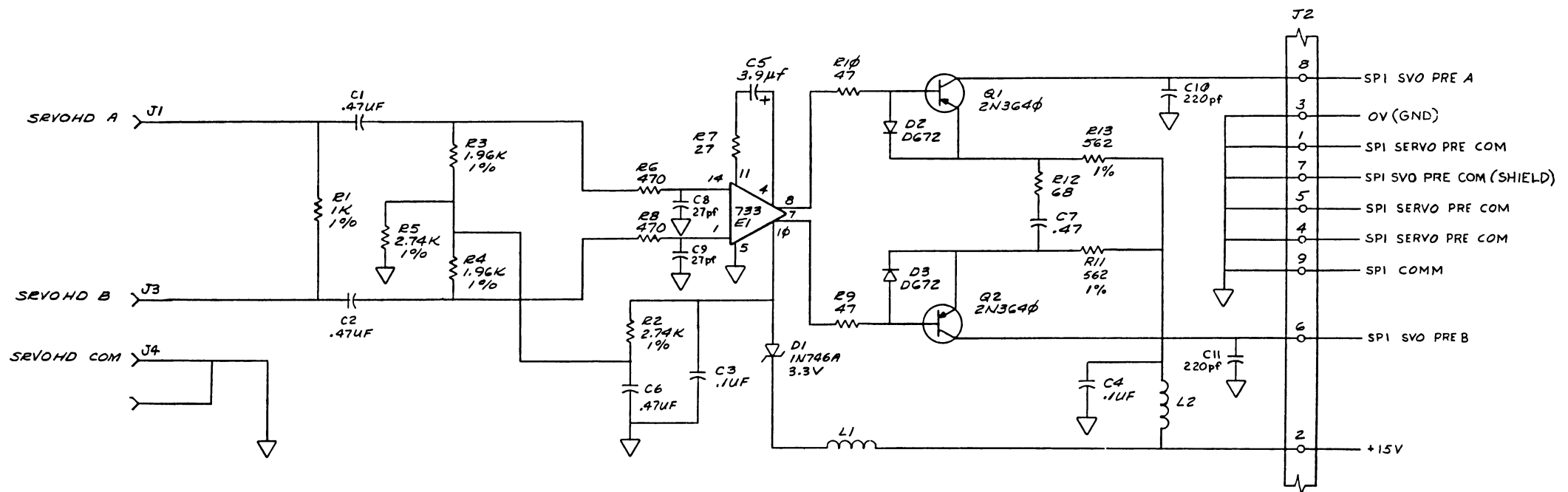
CND +5V
E1-A E1-B
E2-A E2-B
E3-A E3-B



ETCH BOARD	D	FIRST USED ON	RK06	digital
DRN. M. P. 21-NOV-75		CHK'D M. P. 29-NOV-75		
ENG. M. P. 25-MAY-76		PROD. C. P. 25-MAY-76		
NEXT HIGHER ASSY.				
D-5411823-0-0		SIZE CODE	NUMBER	REV.
SCALE	D	CS	5411823-0-1	F
SHEET 1	OF 1	DIST.		

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST					ETCH REV D														
MADE BY M. Poirier			CHECKED <i>H. Karajian</i>			SECTION													
DATE 9/5/75			DATE 18 NOV 75																
ENG <i>M. Castellano</i>			PROD <i>CE Bowell</i>			ISSUED SECT.													
DATE 5/25/76			DATE 5-25-76																
ITEM NO.	DWG NO. / PART NO.		DESCRIPTION																
1	D-CS-5411823-0-1		OPERATORS CONTROL PANEL (C.S.)			REF													
2	D-AH-5411823-0-5		ASSY/DRILLING HOLE LAYOUT			REF													
3	B-MH-5411823-0-6		MODULE ECO HISTORY			REF													
4	5011822		ETCH CIRCUIT BOARD			1													
5	1001610-00		CAP .01UF 50V			3	C1	C2	C3										
6	1005306-00		CAP 6.8UF 35V 10% S.TANT			1	C4												
7	1302379-00		RES 75 1/4W 5%			6	R6	R7	R8	R9	R13	R16							
8	1302388-00		RES 2K 1/4W 5%			4	R1	R2	R5	R15									
9	1300365-00		RES 1K 1/4W 5%			6	R3	R4	R10	R11	R12	R14							
10	1910406-00		I.C. 75451			1	E1												
11	1910645-00		I.C. 75452			2	E2	E3											
12	1209941-06		CONN 20 PIN			1	J1												
13	1212718-00		SWITCH, PUSHBUTTON			4	S1	S2	S3	S6									
14	1212715-00		INDICATOR ASSEMBLY			1	S4												
15	1212690-00		UNIT SELECT BASE MODULE			1	S5												
16	C-MD-7413938-0-0		SWITCH MOUNTING BRACKET			1													
17	1209941-03		LATCH, LEFT			1													
18	1209941-04		LATCH, RIGHT			1													
TITLE			ASSY NO.			SIZE	CODE		NUMBER				REV.	ECO NO.					
OPERATORS CONTROL PANEL			D-UA-5411823-0-0			A	PL		5411823-0-0				F	5411823 00002					
SHEET 1 OF 1			DIST.																

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REV.	CHG.	NO.	DATE	BY
1	5411687-00001	C	11 FEB 76	E. SIMMONS
2	5411687-00002	D	11 FEB 76	M. CASTELLANOS
3	5411687-00003	E	11 FEB 76	M. CASTELLANOS
4	5411687-00004	F	11 FEB 76	M. CASTELLANOS
5	5411687-00005	G	11 FEB 76	M. CASTELLANOS
6	5411687-00006	H	11 FEB 76	M. CASTELLANOS
7	5411687-00007	I	11 FEB 76	M. CASTELLANOS
8	5411687-00008	J	11 FEB 76	M. CASTELLANOS

ETCH REV D	
DRNT 11 FEB 76	FIRST USED ON RK06
CHK'D 11 FEB 76	TITLE
ENG 11 FEB 76	SERVO PREAMP
PROJ ENG 11 FEB 76	
PROD 11 FEB 76	
NEXT HIGHER ASSY.	
D-UA 5411687-0-0	SIZE CODE
SCALE 1:1	NUMBER
SHEET 1 OF 1	DIST

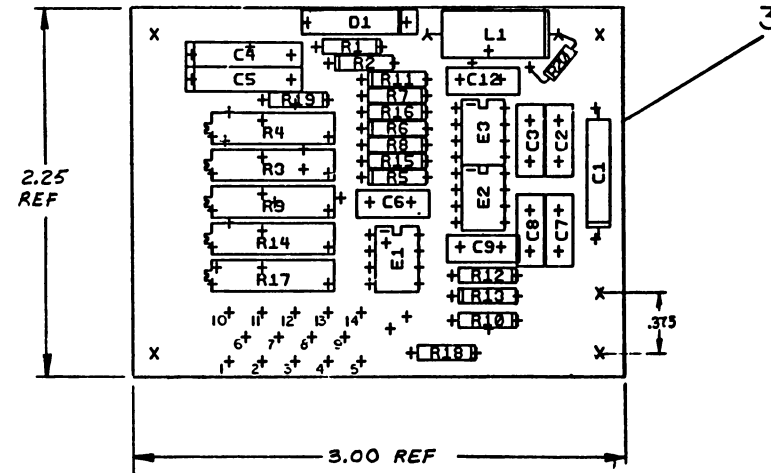
DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:											
PARTS LIST				ETCH REV D																							
MADE BY Lora Metzger		CHECKED <i>H. Vassiliou</i>		SECTION																							
DATE 2/6/76		DATE 10 FEB 76																									
ENG <i>R. Gustafson</i>		PROD <i>J. H. Gustafson</i>		ISSUED SECTION																							
DATE 5/2/76		DATE 5/2/76																									
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION															REF. DESIGNATION									
1	D-CS-5411687-0-1		SERVO PREAMP (C.S.)		REF																						
2	D-AH-5411687-0-5		ASSY/DRILLING HOLE LAYOUT		REF																						
3	B-MH-5411687-0-6		MODULE ECO HISTORY		REF																						
4		5011686	ETCHED CIRCUIT BOARD		1																						
5		1010279-00	CAP .47UF 25V 20%	CER	4													C1,C2,C6,C7									
6		1010978-36	CAP .1UF 50V	CER	2													C3,C4									
7		1000064-00	CAP 3.9UF 10V 10%	S.TANT	1													C5									
8		1104860-00	DIODE IN746A 3.3V	ZENER	1													D1									
9		1105275-00	DIODE D672		2													D2,D3									
10		1300202-00	RES 47 1/4W 5%	C.C	2													R0,R10									
11		1300219-00	RES 68 1/4W 5%	C.C	1													R12									
12		1304693-00	RES 562 1/4W 1%	MF	2													R11,R13									
13		1303114-00	RES 1K 1/4W 1%	MF	1													R1									
14		1304833-00	1.96K 1/4W 1%	MF	2													R3,R4									
15		1304868-00	RES 2.74K 1/4W 1%	MF	2													R2,R5									
16		1301522-00	RES 27 1/4W 5%	C.C.	1													R7									
17		1503029-00	TRANS 2N3640		2													Q1,Q2									
18		1611257-01	CHOKE AXIAL LEAD	CER	2													L1,L2									
ECO. NO. 00001 00002 00003																											
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TITLE SERVO PREAMP										ASSY NO. D-UA-5411687-0-0				SIZE B		CODE PL		NUMBER 5411687-0-0				REV. E					
SHEET 1 OF 2										DST																	

[illegible]

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NOTES:

- * 1 C12, R15, R14, R17, E3 ARE NOT USED OR INSTALLED IN YA VARIATION.



REF	REF		ASSY/DRILLING HOLE LAYOUT	D-AW-5411881-0-6	1
REF	REF		MODULE ECO HISTORY	B-MH-5411881-0-6	2
1	1		ETCHED CIRCUIT BOARD	5011880	3
2	3	C6, C9, C12*	CAP 33 PF 100V 5% DM	1000007-00	4
4	4	C2, C3, C7, C8	CAP .01UF 50V CER	1001610-00	5
2	2	C4, C5	CAP 1.0UF 35V S.TANT	1001776-00	6
1	1	C1	CAP 3.0UF 25V AL EL	1002174-00	7
2	3	R10, R12, R15*	RES 10K 1/4W 5% CC	1300479-00	8
-	1	R16*	RES 138K 1/4W 1% MF	1305190-00	9
2	2	R7, R11	RES 464K 1/4W 1% MF	1303043-00	10
4	4	R1, R2, R8, R13	RES 30.1K 1/4W 1% MF	1311594-00	11
2	2	R5, R6	RES 511 1/4W 1% MF	1302411-00	12
2	3	R9, R14, R17*	RES 2MEG POT 3/4W 20%	1309143-19	13
2	2	R3, R4	RES 25K POT 3/4W 20%	1309143-12	14
2	2	R18, R19	RES 100 1/4W 5% CC	1300229-00	15
1	1	D1	DIODE 1N4004	1105796-00	16
1	1	L1	INDUCTOR 390UH	1602723-01	17
2	3	E1, E2, E3 *	IC LM808AJ	1913035-00	18
1	1	R20	RES 47 1/4W 5% CC	1300202-00	19

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
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FIRST USED ON OPTION MODEL	ETCH BOARD REV.	B	DATE	BY	REV.
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DEC NO.	EI/ NO.	DEC NO.	EIA NO.
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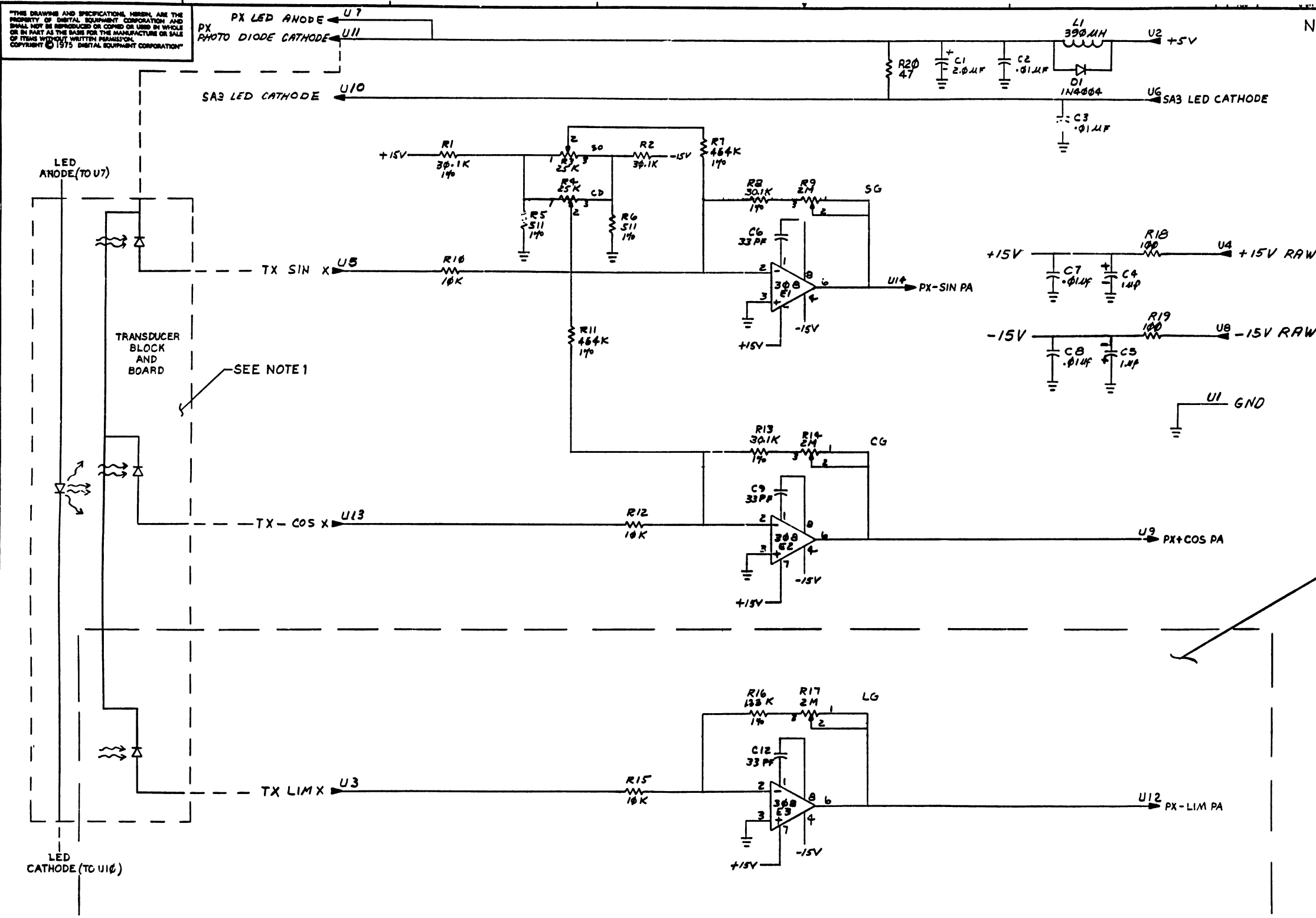
SEMICONDUCTOR CONVERSION CHART

DATE 11/1/75	BY J. Prince	
DATE 11/1/75	BY J. Prince	
DATE 11/1/75	BY J. Prince	
DATE 11/1/75	BY J. Prince	
DATE 11/1/75	BY J. Prince	
TITLE PHOTO TRANSDUCER PREAMPLIFIER		
NEXT HIGHWAY ABBY 11		
SCALE 1/2 2	SIZE CODE D CS	NUMBER 5411881-0-1
SHEET	DIST.	REV. H

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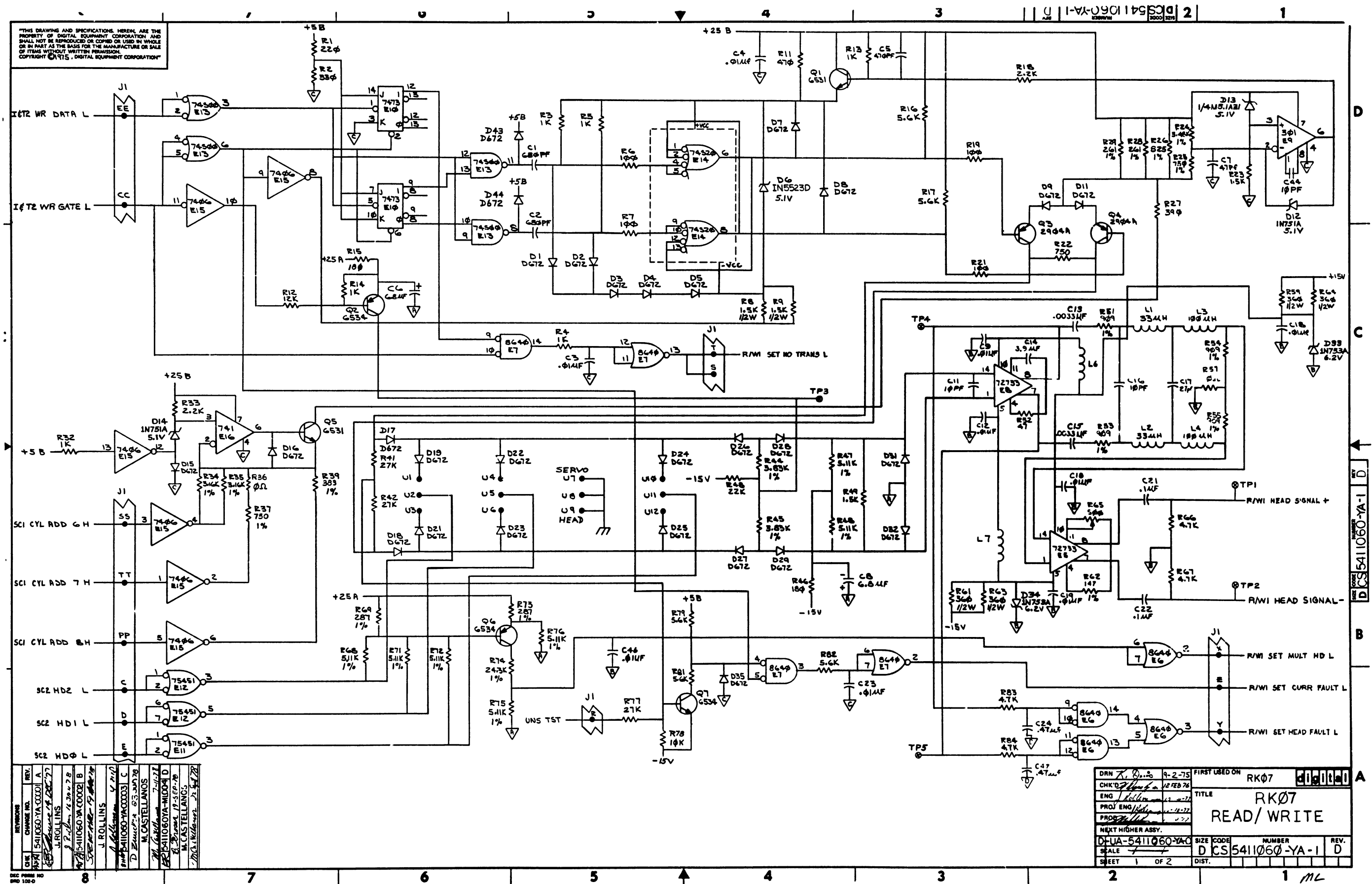
NOTES:

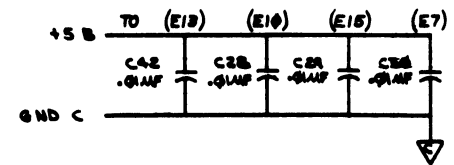
1. THIS PORTION (ZONE C8) IS NOT PART OF THIS MODULE. IT IS DRAWN HERE JUST TO CLARIFY THE FUNCTIONAL RELATIONSHIP BETWEEN LED, PHOTO DIODES AND THE PREAMP.
2. THIS CIRCUIT (LIMIT) (SEE ZONE A5) IS IN VARIATION-00 ONLY.



REVISIONS		
CHK	CHANGE NO	REV

TITLE PHOTO TRANSDUCER PREAMPLIFIER		SIZE CODE DCS	NUMBER 5411881-0-1	REV. H
SCALE 1/1	SHEET 2 OF 2	DIST.		





TITLE		SIZE	CODE	NUMBER	REV.
RK07 READ/WRITE		D	C	5411060-YA-1	D
SCALE	SHEET	DIST.			
1/1	2 OF 2				

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-CS-5411060-YA-1		RK07 READ WRITE (C.S.)	REF	
2	2	D-UA-5411060-YA-1		UNIT ASSEMBLY	REF	
3	3	D-DU-5411060-YA-1		DWG DIRECTORY	REF	
4	4		5011059-00	54-11060	1	
5	5		1000006-00	10.0 MMF 100V 5%200PPM DM15S (10-00	3	C11,C44,C16
6	6		1000011-00	47.0 MMF 100V 5%200PPM DM15S (10-00	1	C7
7	7		1000012-00	56.0 MMF 100V 5%200PPM DM15S (10-00	1	C37
8	8		1000021-00	220.0 MMF 100V 5%200PPM DM15S (10-00	2	C34,C35
9	9		1000024-00	470.0 MMF 100V 5%200PPM DM15S (10-00	1	C5
10	10		1000026-00	680.0 MMF 100V 5%200PPM DM15S (10-00	2	C1,C2
11	11		1010978-36	.1 MFD 50V 10% 2C067 CER	6	C21,C22,C25,C41,C38,C43
12	12		1001739-00	27.0 MMF 100V 5%200PPM DM15S (10-00	1	C17
13	13		1002608-00	18.0 MMF 100V 5%200PPM DM15S (10-00	1	C31
14	14		1005306-00	6.8MFD 35V 10% 150D S.TA (10-00	2	C6,C8
15	15		1001610-01	.01 MFD 100V OR 50V Z5U DISC/800PF MIN	19	C3,C4,C9,C12,C18,C19,C23, CONT C26-C30,C32,C33,C36,C39,C42, CONT C45,C46
16	16		1102421-00	1N 753A VZ= 6.2 5% .40W P	2	D33,D34
17	17		110994-00	1N 751A VZ= 5.1 5% .40W P	2	D12,D14
18	18		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1	D13
19	19		1105275-00	D 672 TR= 15NS PIV= 60V SP	30	D1-D5,D7,D8,D9,D11,D15-D19, CONT D21-D29,D31,D32,D35,D41-D44
20	20		1209941-06	HEADER, 100 20POS RT ANGLE	1	J2
21	21		1209941-02	HEADER 100 40POS RT ANGLE	1	J1
22	22		1210001-00	HEAT SINK - 2201 RED	2	
23	23		1210385-01	PIN 1POS WIRE WRAP	20	
24	24		1209941-04	HEADER RT ANGLE, RIGHT LATCH FOR	2	
25	25		1209941-03	HEADER RT ANGLE LEFT LATCH FOR	2	
26	26		9009185-00	JUMPER, WIRE, INSULATED, BLACK BAND	2	R36,R57
27	27		1300202-00	47 1/4W 5% CC (13-00	1	R52

REVISION HISTORY			VARIATIONS FOR THIS ASSY.		FIRST USED ON: RK07		DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
CHK	ECO NO	REV	YA						TITLE	
B.F	00002	H			MADE BY: K.DAVIS		DATE: 03-APR-78		PARTS LIST	
ER	00003	C							RK07 READ/WRITE	
	00004	D			CHECKED: P.W.		DATE: 03-APR-78			
					DSN.ENG.: J.ROLLINS		DATE: 03-APR-78		SIZE CODE DOCUMENT NUMBER REV	
					PROD.: MC		DATE: 03-APR-78		K	PL 5411060-YA-DBP ID
					RESP.ENG.: J.ROLLINS		DATE: 03-APR-78		ASSY.NO.: D-UA-5411060-YA-2 EDIT# 12	
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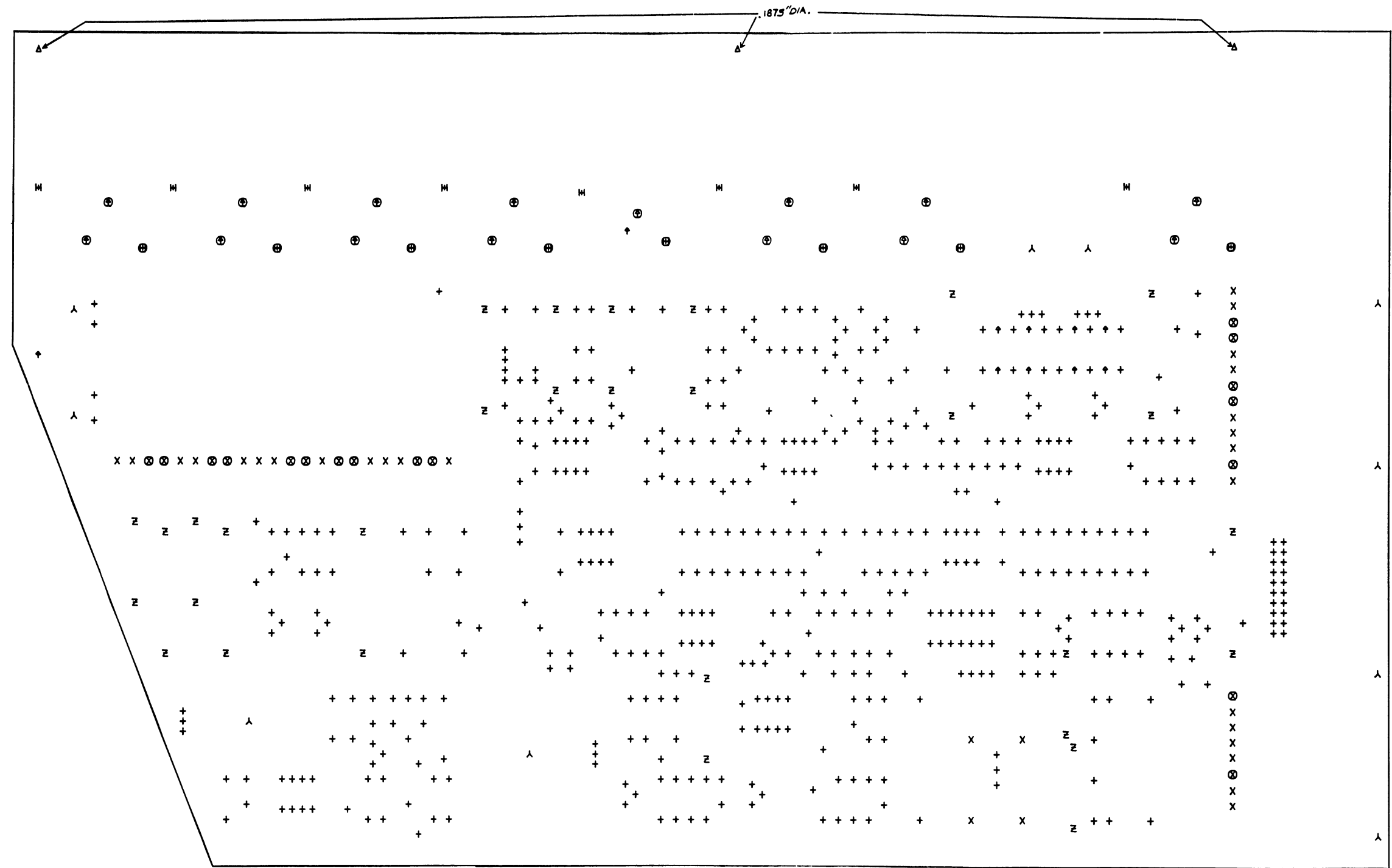
LINE ITEM		DOCUMENT NO.	PART NO.	DESCRIPTION				QTY	REFERENCE DESIGNATORS	
28	28		1300220-00	100	1/4W	5%	CC	(13-00	5	R6,R7,R19,R21,R97
29	29		1300247-00	120	1/4W	5%	CC	(13-00	1	R96
30	30		1300271-00	220	1/4W	5%	CC	(13-00	1	R1
31	31		1300295-00	330	1/4W	5%	CC	(13-00	1	R2
32	32		1300309-00	390	1/4W	5%	CC	(13-00	1	R27
33	33		1300316-00	470	1/4W	5%	CC	(13-00	1	P11
34	34		1300365-00	1	K 1/4W	5%	CC	(13-00	9	R3,R4,R5,R13,R14,R32,R95,R101, CONT R102
35	35		1300391-00	1.5	K 1/4W	5%	CC	(13-00	2	R23,R49
36	36		1300394-00	1.5	K 1/2W	5%	CC	(13-00	2	R8,R9
37	37		1300417-00	2.2	K 1/4W	5%	CC	(13-00	2	R18,R33
38	38		1300447-00	4.7	K 1/4W	5%	CC	(13-00	4	R66,R67,R83,R84
39	39		1300479-00	10	K 1/4W	5%	CC	(13-00	1	R78
40	40		1300488-00	12	K 1/4W	5%	CC	(13-00	1	R12
41	41		1301322-00	180	1/4W	5%	CC	(13-00	2	R15,R46
42	42		1301808-00	22	K 1/4W	5%	CC	(13-00	1	R43
43	43		1301874-00	5.6	K 1/4W	5%	CC	(13-00	5	R16,R17,R79,R81,R82
44	44		1302383-00	360	1/2W	5%	CC	(13-00	4	R59,R61,P63,R64
45	45		1302871-00	1.21	K 1/4W	1%	RN55D-F 100PPM	(13-00	1	R98
46	46		1302873-00	261	1/4W	1%	RN55D-F 100PPM	(13-00	2	R28,R29
47	47		1302955-00	750	1/4W	1%	RN55D-F 100PPM	(13-00	2	R25,R37
48	48		1303045-00	3.16	K 1/4W	1%	RN55D-F 100PPM	(13-00	2	R34,R35
49	49		1303047-00	464	1/4W	1%	RN55D-F 100PPM	(13-00	1	R99
50	50		1304854-00	5.11	K 1/4W	1%	RN55D-F 100PPM	(13-00	7	R47,R48,R60,R71,R72,R75,R76
51	51		1304856-00	4.64	K 1/4W	1%	RN55D-F 100PPM	(13-00	2	R93,R94
52	52		1305114-00	3.48	K 1/4W	1%	RN55D-F 100PPM	(13-00	1	R24
53	53		1302874-00	147	1/4W	1%	RN55D-F 100PPM	(13-00	1	R62
54	54		1305124-00	287	1/4W	1%	RN55D-F 100PPM	(13-00	2	R69,R73
55	55		1305125-00	383	1/4W	1%	RN55D-F 100PPM	(13-00	1	R39
56	56		1305143-00	825	1/4W	1%	RN55D-F 100PPM	(13-00	3	R26,R91,R92
57	57		1305346-00	27	K 1/4W	5%	CC	(13-00	3	R41,R42,R77
58	58		1309143-00	500	3/4W 10%	POT 100PPM			1	R65
59	59		1309418-00	24.3	K 1/4W	1%	RN55D-F 100PPM	(13-00	1	R74
60	60		1309413-00	3.83	K 1/4W	1%	RN55D-F 100PPM	(13-00	2	R44,R45
61	61		1501742-00	DEC2904	PNP	600MW SI 40 40 P			2	Q3,Q4
62	62		1503409-02	DEC6534C	PNP	310MW SI 40 70 P			2	Q2,Q6
63	63		1509338-00	DEC6531R	NPN	310MW SI 40 90 P			3	Q1,Q5,Q7
64	64		1610662-00	100.0	10% 10%	165MA #DD1 00			2	L3,L4
65	65		1612946-01	33	10% 10%	250MA			2	L1,L2
66	66		1610661-00	56	10% 10%	#DD56			1	L5
67	67		1611257-01	CHOKER(CERAMIC BEAD)AXIAL LEAD,ON TAPE,FOR					2	L6,L7
68	68		1905587-00	DEC 7473	FF-JK DUAL,MASTER SLAVE,10MHZ				1	E10
69	69		1910298-00	741	OP AMP GEN PURP. COMPENSATED D				1	E16
70	70		1910268-00	DEC 75107R	RECEIVER,LINE,DUAL,25 MV,MASS				2	E3,E4
71	71		1910406-00	75451	DRIVER,PERIPH,DUAL,AND				2	E11,E12
72	72		1910532-00	74800	NAND GATE-QUAD 2INS				1	E13
73	73		1910535-00	74S05	INVERTER GATE-HEX 1IN,OPEN CO				1	E2
74	74		1910539-00	74820	NAND GATE-DUAL 4INPUT				1	E14

DIGITAL EQUIPMENT CORPORATION		TITLE	PARTS LIST	SIZE	CODE	DOCUMENT NUMBER	REV
MAYNARD, MASSACHUSETTS			RKM7 READ/WRITE	K	PL	5411060-YA-DBP	10

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
75	75		1910644-00	733 DIFFERENTIAL AMP,WIDE BAND	2	E5,FH
76	76		1910741-01	7406N BUFFER,HEX	1	E15
77	77		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,UNIBUS,Q-BU	2	E6,E7
78	78		1910282-00	301AN OP AMP	1	E9
79	79		1910268-01	DEC 75107B-01 RECEIVER,LINE,DUAL,10 MV,MA	1	E1
80	80		1301401-00	750 1/4W 5% CC (13-00	1	R22
81	81		7415620-01	SCREW CAPTIVE	6	
82	82		9007201-00	TRANSIPADS #10253	2	
83	83		9009271-00	RING,RETAINING,REINFORCED,FILS 3/32 SHA	6	
84	84		1000064-00	3.9MFD 10V 10% 150D S.TA (10-00	1	C14
85	85		1011740-01	3300.0 MMF 50V 10% CW15C CER.	2	C13,C15
86	86	B-DD-7012623-0-0		TESTER DOCUMENTS (PROTO)	REF	
87	87	B-DD-7012784-0-0		TESTER DOCUMENTS (PRODUCTION)	REF	
88	88		1010279-00	.47 MFD 25V 20% 2C023 CER.	2	C24,C47
89	89	B-MD-7417415-0-0	9006010-01	***** THIS ITEM IS NOT USED *****	-	
90	90		9006632-00	WASHER,LOCK,INT,.2600D X .120ID X .015 THK	1	
91	91		1302685-00	909 1/4W 1% RN55D-F 100PPM (13-00	4	R51,R53,R54,R55
92	92		1113953-00	1N 5523D VZ# 5.1 1%	1	D6

DIGITAL EQUIPMENT CORPORATION	TITLE	PARTS LIST	SIZE	CODE	DOCUMENT NUMBER	REV
MAYNARD, MASSACHUSETTS		RK07 READ/WRITE	K	PL	5411060-YA-DBP	D

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1. 8 HOLES .0465 (+.000-.0045) MAYNARD ONLY

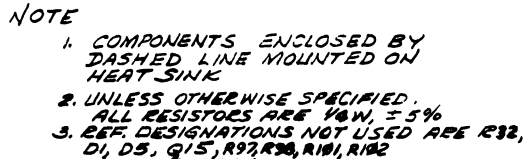
CHG	NO	REV	DATE	BY	APP
1	541042-10	N	6-6-78	D. Dingeldien	
2	541042-10	N	6-6-78	M. Castellanos	
3	541042-10	N	6-6-78	M. Castellanos	
4	541042-10	N	6-6-78	M. Castellanos	
5	541042-10	N	6-6-78	M. Castellanos	
6	541042-10	N	6-6-78	M. Castellanos	
7	541042-10	N	6-6-78	M. Castellanos	
8	541042-10	N	6-6-78	M. Castellanos	

HOLE DATA										
SYMBOL	-	A	X	+	Z	M	A	Q	Q	*
FIN HOLE SIZE	042	128	073	067	055	156	187			
PLATED	✓	✓	✓	✓	✓	✓	✓			
NON PLATED		✓				✓	✓			
QTY.	525	10	47	25	30	16	3			16
○-OFF GRD HLE			17	15		8				
DRILL SIZE										
.025 GRID UNLESS INDICATED										

BOARD FABRICATION INFORMATION	
PANEL SIZE	8.5 X 17.00
PANEL DATA DWG.#	E-MD-7606032-0-0
PANEL MAT'L	FL-BF-052-C 2/1
DEC PS	- 1400000
QTY. OF LAYERS	2
PTH.	✓ PRINT AND ETCH
SOLDER MASK	SIDE 2 BOTH SIDES
GOLD CONTACTS	N BOTTOM TOP

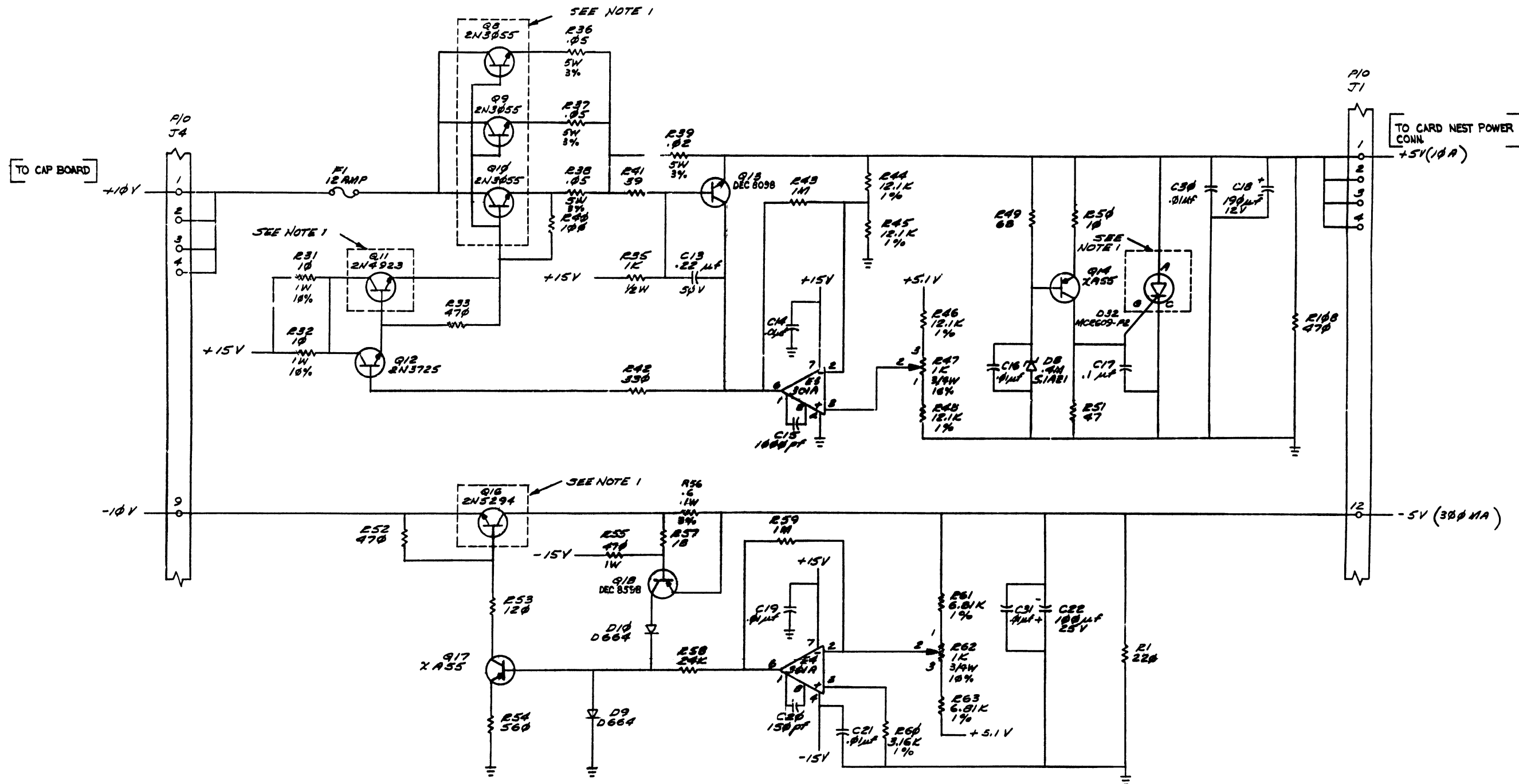
SIGNATURES		DATE	digital					
DRN.	D. Dingeldien	6-6-78	TITLE	DRILL AND ETCH DRAWING	SIZE	CODE	NUMBER	REV
CHK'D.	M. Castellanos	6 JUN 78						
ENG.	M. Castellanos	12 JUN 78						
PROJ. ENG.	M. Castellanos	12 JUN 78						
PROD.	M. Castellanos	12 JUN 78						
SCALE			0	AH	541042-0-5	ETCH REV. F-P		
SHT. 1 OF 3								
NEXT HIGHER ASSY.								

OWN	CHANCE NO.	REV.
4	5411042-00001	D
5	5411042-00002	E
6	5411042-00003	F
7	5411042-00004	G
8	5411042-00005	H
9	5411042-00006	K
10	5411042-00007	L
11	5411042-00008	M
12	5411042-00009	N
13	5411042-00010	P
14	5411042-00011	Q
15	5411042-00012	R
16	5411042-00013	S
17	5411042-00014	T
18	5411042-00015	U
19	5411042-00016	V
20	5411042-00017	W
21	5411042-00018	X
22	5411042-00019	Y
23	5411042-00020	Z
24	5411042-00021	AA
25	5411042-00022	AB
26	5411042-00023	AC
27	5411042-00024	AD
28	5411042-00025	AE
29	5411042-00026	AF
30	5411042-00027	AG
31	5411042-00028	AH
32	5411042-00029	AI
33	5411042-00030	AJ
34	5411042-00031	AK
35	5411042-00032	AL
36	5411042-00033	AM
37	5411042-00034	AN
38	5411042-00035	AO
39	5411042-00036	AP
40	5411042-00037	AQ
41	5411042-00038	AR
42	5411042-00039	AS
43	5411042-00040	AT
44	5411042-00041	AU
45	5411042-00042	AV
46	5411042-00043	AW
47	5411042-00044	AX
48	5411042-00045	AY
49	5411042-00046	AZ
50	5411042-00047	BA
51	5411042-00048	BB
52	5411042-00049	BC
53	5411042-00050	BD
54	5411042-00051	BE
55	5411042-00052	BF
56	5411042-00053	BG
57	5411042-00054	BH
58	5411042-00055	BI
59	5411042-00056	BJ
60	5411042-00057	BK
61	5411042-00058	BL
62	5411042-00059	BM
63	5411042-00060	BN
64	5411042-00061	BO
65	5411042-00062	BP
66	5411042-00063	BQ
67	5411042-00064	BR
68	5411042-00065	BS
69	5411042-00066	BT
70	5411042-00067	BU
71	5411042-00068	BV
72	5411042-00069	BW
73	5411042-00070	BX
74	5411042-00071	BY
75	5411042-00072	BZ
76	5411042-00073	CA
77	5411042-00074	CB
78	5411042-00075	CC
79	5411042-00076	CD
80	5411042-00077	CE
81	5411042-00078	CF
82	5411042-00079	CG
83	5411042-00080	CH
84	5411042-00081	CI
85	5411042-00082	CJ
86	5411042-00083	CK
87	5411042-00084	CL
88	5411042-00085	CM
89	5411042-00086	CN
90	5411042-00087	CO
91	5411042-00088	CP
92	5411042-00089	CQ
93	5411042-00090	CR
94	5411042-00091	CS
95	5411042-00092	CT
96	5411042-00093	CU
97	5411042-00094	CV
98	5411042-00095	CW
99	5411042-00096	CX
100	5411042-00097	CY
101	5411042-00098	CZ
102	5411042-00099	DA
103	5411042-00100	DB
104	5411042-00101	DC
105	5411042-00102	DD
106	5411042-00103	DE
107	5411042-00104	DF
108	5411042-00105	DG
109	5411042-00106	DH
110	5411042-00107	DI
111	5411042-00108	DJ
112	5411042-00109	DK
113	5411042-00110	



ETCH BOARD		F	FIRST USED ON		RK06		digits	
DRN P	WITGEE	9/13/75	TITLE		H 767			
CHK'D	<i>[Signature]</i>	12/20/75	POWER SUPPLY (PSI)					
ENG	<i>[Signature]</i>	11/1/76						
PROD ENG	<i>[Signature]</i>	11/1/76						
PROD ENG	<i>[Signature]</i>	6/10/76						
NEXT HIGHER ASSY.								
D-UA-5411042-00			SIZE	CODE	NUMBER	REV		
SCALE <i>[Signature]</i>			D	CS	5411042-0-1	P		
SHEET <i>[Signature]</i> OF 4			DIST					

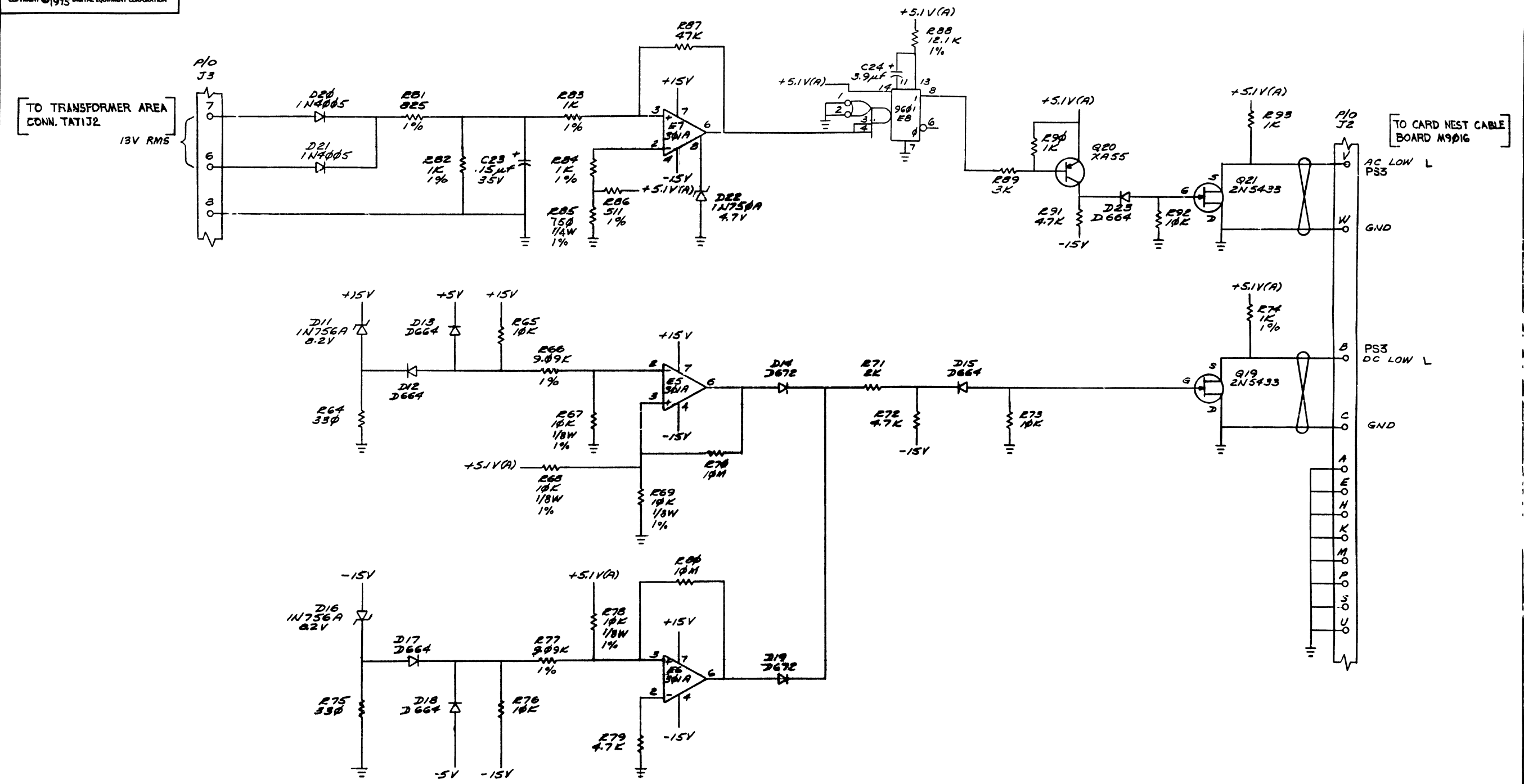
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REVISIONS		
CHK	CHANGE NO	REV

TITLE		H767		SIZE CODE		NUMBER		REV.
POWER SUPPLY (PS2)		DCS		5411042-0-1		P		
SCALE	1/4	SHEET 2 OF 4		DIST.				

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REVISIONS			TITLE		SIZE CODE	NUMBER	REV.
CHK	CHANGE NO	REV	H767 POWER SUPPLY (PS3)		D	CS 5411042-0-1	2
			SCALE		SHEET 3 OF 4	DIST	

REVISIONS		
CHK	CHANGE NO	REV



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
31	31		1300432-00	3 K 1/4W 5% CC	1	R89
32	32		1305114-00	3.48 K 1/4W 1% RN55D-F 100PPM	2	R14,R30
33	33		1309413-00	3.83 K 1/4W 1% RN55D-F 100PPM	1	R29
34	34		1303045-00	3.16 K 1/4W 1% RN55D-F 100PPM	1	R60
35	35		1300447-00	4.7 K 1/4W 5% CC	4	R10,R72,R79,R91
36	36		1305324-00	4.99 K 1/4W 1% RN55D-F 100PPM	1	R13
37	37		1304870-00	6.81 K 1/4W 1% RN55D-F 100PPM	2	R61,R63
38	38		1304855-00	9.09 K 1/4W 1% RN55D-F 100PPM	2	R66,R77
39	39		1300479-00	10 K 1/4W 5% CC	4	R65,R73,R76,R92
40	40		1303312-00	10.0 K 1/4W 1% RN55D-F 100PPM	5	R12,R67,R68,R69,R78
41	41		1309415-00	11.5 K 1/4W 1% RN55D-F 100PPM	1	R28
42	42		1303313-00	12.1 K 1/4W 1% RN55D-F 100PPM	5	R44,R45,R46,R48,R88
43	43		1304837-00	24 K 1/4W 5% CC	1	R58
44	44		1302177-00	47 K 1/4W 5% CC	1	R87
45	45		1311337-00	56 5W 5% WW	1	R111
46	46		1304854-00	5.11 K 1/4W 1% RN55D-F 100PPM	2	R95,R110
47	47		1305405-00	24.9 K 1/4W 1% RN55D-F 100PPM	2	R94,R109
48	48		1300319-00	*** THIS ITEM IS NOT USED ***	-	
49	49		1309884-00	.2 5W 5% WW	3	R105-P107
50	50		1302602-00	56 1/4W 5% CC	2	R103,R104
51	51		1300395-00	1.5 K 1W 10% CC	2	R112,R113
52	52		1303177-00	2.4 K 1/4W 5% CC	1	R3
53	53		1309595-00	1 M 1/4W 5% CC	4	R11,R43,R59,R27
54	54		1302666-00	10 M 1/4W 5% CC	2	R70,R80
55	55		1310876-00	.02 5W 3% WW	1	R39
56	56		1302377-00	39 1/4W 5% CC	1	R41
57	57		1300247-00	120 1/4W 5% CC	2	R20,R53
58	58		1300431-00	3 K 1/2W 5% CC	1	R24
59	59		1300309-00	*** THIS ITEM IS NOT USED ***	-	
60	60		1301890-00	560 1/4W 5% CC	1	R54
61	61		1302124-00	18 1/4W 5% CC	2	R57,R8
62	62		1300319-00	470 1W 5% CC	1	R55
63	63		1000042-00	1000.0 MMF 100V 5%200PPM DM15S	1	C15
64	64		1000022-00	270.0 MMF 100V 5%200PPM DM15S	2	C10,C2
65	65		1001610-01	.01 MFD 100V -20+80 25U DISC	16	C1,C3,C4,C5,C6,C8,C9,C11,C14,C16,C19,C21,CONT C25,C27,C30,C31
66	66		1000064-00	3.9MFD 10V 10% 150D S.TA	1	C24
67	67		1002781-00	100 MFD 25V G% 30D AL EL	2	C12,C22
68	68		1010274-00	.22 MFD 50V -20+80 25U CER	1	C13
69	69		1009433-00	190 MFD 12V G% 30D AL FL	1	C18
70	70		1011849-01	600. MFD 25V G%500D AL FL	1	C7
71	71		1000019-00	150.0 MMF 100V 5%200PPM DM15S	1	C20
72	72		1002180-00	.15 MFD 35V 20% 150D S.TA	1	C23
73	73		1000037-00	.22 MFD 100V 10% 663F MYLR	1	C28
74	74		1000009-00	33.0 MMF 100V 5%200PPM DM15S	1	C26
75	75		1000016-00	100.0 MMF 100V 5%200PPM DM15S	1	C29
76	76		1000070-00	10 MFD 50V H% 43D AL FL	2	C32,C33
77	77		1109465-00	MCR 649P2SCRA 50V I=20A T041	1	D32

I	D	I	G	I	T	A	L	TITLE					SIZE	CODE	DOCUMENT NUMBER	REV	
I								H767 POWER SUPPLY	SECTION 1 OF 1				I	K	PL	5411042-E-DBP	P
I													I				

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
78	73		1100114-00	D 664 QS\75PCB PIV= 25V 5P	15	D2,D6,D7,D9,D10,D12,D13,D15,D17,D18,D23,
					CONT	D24,D25,D28,D29
79	79		1105275-00	D 672 TR= 15NS PIV= 60V SI	2	D14,D19
80	80		1100124-00	1N 750A VZ= 4.7 5% .40W P	1	D22
81	81		1103441-00	1N 756A VZ= 8.2 5% .40W P	2	D11,D16
82	82		1105873-00	4M5-1A71 VZ= 5.1 1% .400W	3	D3,D4,D8
83	83		1110967-00	1N 4005 PIV=600 I= 1A D041 SI	2	D20,D21
84	84		1110182-00	1N 4721 PIV=200 I= 3A A179ASY	2	D26,D27
85	85		1505819-00	2N 3055 NPN 115WC SI 60 20 Y	4	Q1,Q8,Q9,Q10
86	86		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	2	Q2,Q12
87	87		1510705-00	XA 05 NPN 500MW SI 60 50 P	1	Q3
88	88		1510377-00	2N 5294 NPN 36WC SI 70 30 M	1	Q16
89	89		1509604-00	DEC4923 NPN 30WC SI 80 20 M	1	Q11
90	90		1510706-00	XA 55 PNP 500MW SI 60 50 P	4	Q6,Q14,Q17,Q20
91	91		1509523-00	2N 3054 NPN 25WC SI 55 25 Y	1	Q5
92	92		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	1	Q23
93	93		1510013-00	DEC1011 NPN 5WC SI 55 23 P	1	Q22
94	94		1510598-00	DEC4508 PNP 27WT SI 60 20 Y	1	Q24
95	95		1510421-00	D 44C8 NPN 30WT SI 60 20	1	Q26
96	96		1503069-00	DEC3716 NPN	1	Q25
97	97		1509581-01	2N 3792 PNP 150WC SI 80 30 M	1	Q27
98	98		1511686-00	DEC5433 FET N 350MW 10 25 1A	2	Q19,Q21
99	99		1910282-00	301AN OP AMP	7	E1-E7
100	100		1909373-00	9601 ONE SHOT,RETRIGGERAB	1	E8
101	101		9008290-00	FUSE, SLO BLOW, 12.000A, 32V, G	1	F1
102	102		1209941-06	HEADER,100 20POS RT ANGLE	1	J2
103	103		1212204-06	HEADER,156 8POS RT ANGLE	1	J3
104	104		1212204-07	HEADER,156 13POS RT ANGLE	1	J1
105	105		1212204-05	HEADER,156 22POS RT ANGLE	1	J4
106	106		1212487-00	HEAT SINK,1"X1.18X.5",XSISTOR&SC	2	
107	107		1212957-00	HEAT SINK,RK05 140WATTS W500FT/M	1	
108	108		9008419-00	WASHER, FLAT, THERMAFILM .002THK	7	
109	109		9007201-00	TRANSIPADS #10253	4	
110	110		9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	9	
111	111		9009786-00	INSULATOR, SEMICONDUCTOR, FOR TO	1	
112	112		9008268-00	COMPOUND, THERMAL JOINT \$ A/R		
113	113		1209941-04	HEADER RT ANGLE,RIGHT	1	
114	114		1209941-03	HEADER RT ANGLE LEFT L	1	
115	115		9007203-00	CLIP, FUSE, WITH STOP, SCREW MOU	2	
116	116		9107560-01	WIRE,RUSS,22AWG	4	w1-w4
117	117		9009597-00	INSULATOR, THERMA-FILM \$	2	
118	118		9006732-00	EYELET, ROLLED FLANGE, .121 OD X	2	
119	119		9007793-01	SCREW,PAN ,PHIL, 6-32X 9/16	16	
120	120		9008185-00	NUT,KEP , 6-32X1/4 AF	16	
121	121		9006653-00	WASHER, FLAT, .375 O.D. X .156 I	13	
122	122		9006012-01	SCREW,PAN ,PHIL, 4-40X 7/16	2	
123	123		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	5	
124	124		9006557-00	NUT,KEP , 4-40X 1/4 AF	4	

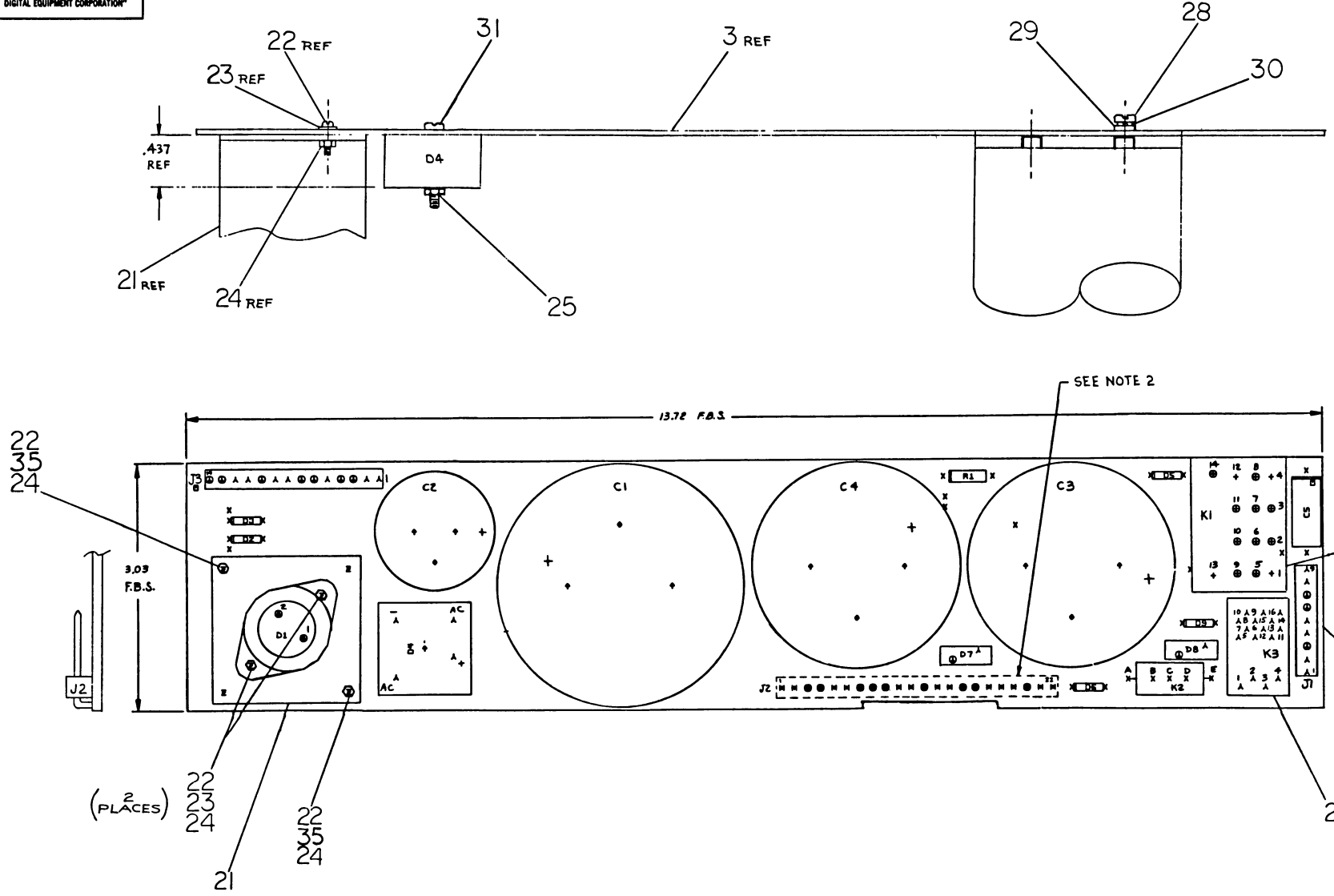
D	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							H767 POWER SUPPLY					K	PL	5411042-0-DBP	P

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
125	125		9008033-01	SCREW,PAN ,PHIL, 4-40X 9/16	2	
126	126		9009769-00	WASHER, RECTANGULAR .405X.225X.0	3	
127	127		1010978-36	.1 MFD 50V 10% 2C067 CFR	1	C17
128	128		1209159-00	FUSE, SUB-MINI, .500A, 125V, A	1	F2
129	129		9107278-11	*** THIS ITEM IS NOT USED ***	-	
130	130		1512212-00	DFC8098 NPN 350MW SI 60 50	2	Q4,Q13
131	131		1512211-00	DEC8598 PNP 350MW SI 60 50	2	Q7,Q18
132	132		9107688-22	*** THIS ITEM IS NOT USED ***	-	
133	133		9006708-00	WASHER, NYLON, FLAT #8 .375 OD	3	
134	134		1911143-00	DEC 201A OP AMP	1	E9

D	I	G	I	T	A	L	TITLE	SECTION	1 OF 1	SIZE	CODE	DOCUMENT NUMBER	REV
							H767 POWER SUPPLY			K	PL	5411042-0-DRP	P

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NOTES:



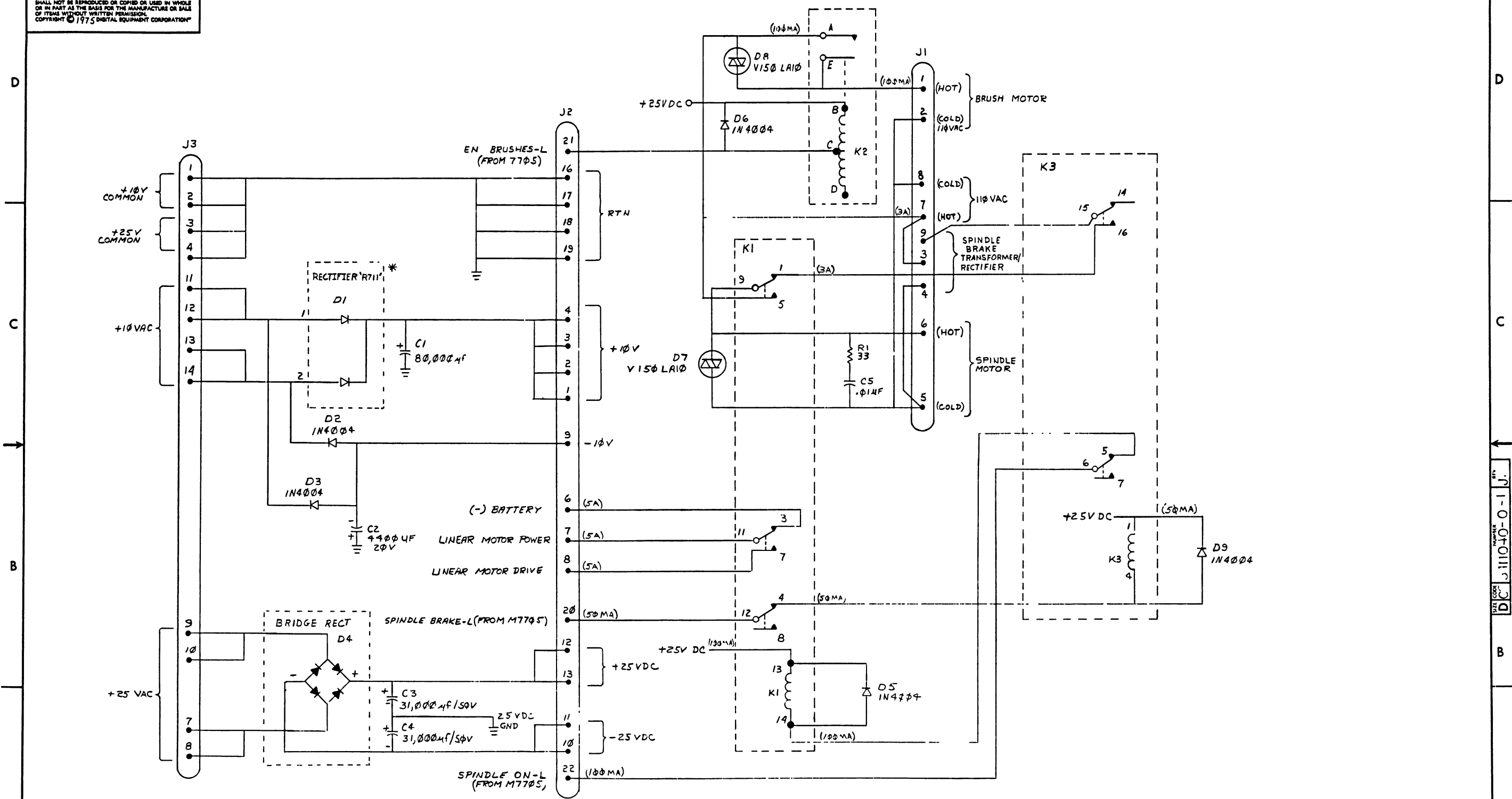
REF	ASSY / DRILLING HOLE LAYOUT	D-AH-5411040-05	1
REF	MODULE ECO HISTORY	B-MH-5411040-06	2
1	ETCHED CIRCUIT BOARD	5011039	3
1 C2	CAP. 4,400 μ F 20V ELEC	1010424-00	4
2 C3, C4	CAP. 31,000 μ F 50V ELEC	1010858-00	5
1 C1	CAP. 80,000 μ F 25V ELEC	1009190-00	6
5 D2, D3, D5, D6, D9	DIODE 1N4004	1105796-00	7
1 D1	DIODE R711 RECTIFIER	1112723-00	8
2 D7, D8	VARIATOR V150 LA10	1311996-00	9
1 D4	DIODE NSS3514 RECTIFIER	1110714-00	10
1 K2	RELAY, REED 48V 500MA	1211179-00	11
1 XK1	RELAY, SOCKET	1212875-00	12
1 K1	RELAY, SIGMA 76R4-24DC-SCO	1212793-00	13
1 XK3	RELAY, SOCKET P+B 27E129	1212874-00	14
1 K3	RELAY P+B R10-E1-X4-V700	1212719-00	15
1 R1	RES. 33 1/2 W 570	1300195-00	16
1 C5	CAP. .01 μ F 600V	1002938-00	17
1 J1	CONN, HEADER (9 PIN)	1212619-01	18
1 J2	CONN, HEADER (22 PIN)	1212204-C5	19
1 J3	CONN, HEADER (14 PIN)	1212619-02	20
1	HEAT SINK	1210012-01	21
4	SCREW, PPH 6-32 X 1/2	9006024-01	22
2	WASHER, FLAT .375 O.D. X .156 I.D. X .036	9006653-00	23
4	NUT, KEP 6-32 X 1/4 AF	9008185-00	24
1	NUT, KEP 8-32	9006563-00	25
1	HOLD DOWN SPRING (FOR K1)	1213005-00	26
1	HOLD DOWN SPRING (FOR K3)	1213006-00	27
8	SCREW, PPH 10-32 X 5/16	9006070-01	28
8	WASHER, FLAT .437 O.D. X .187 I.D. X .032	9006661-00	29
8	WASHER, LOCK INTERNAL TOOTH #10	9006635-00	30
1	SCREW, PPH 8-32 X 3/4	9006041-01	31
A/R	THERMAL COMPOUND	9008268	32
A/R	WIRE BUNDLE CANNING	9007560-01	33
A/R	TUBING, TEFLON	9007560-01	34
2	WASHER, NYLON	9006713	35
A/R	URETHANE, CLEAR	49-01255	36

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV. E				
DRN. Silvia DATE 9-9-75				
CHK'D DATE 2 FEB 76				
ENG. DATE 11-11-75				
PROJ. ENG. DATE 12-2-75				
PROD. DATE 4-19-76				
NEXT HIGHER ASSY				
TITLE POWER SUPPLY CAP BOARD				
SIZE CODE NUMBER REV.				
D CS 5411040-0-1 J				
SHEET 1 OF 2				

DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			

IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

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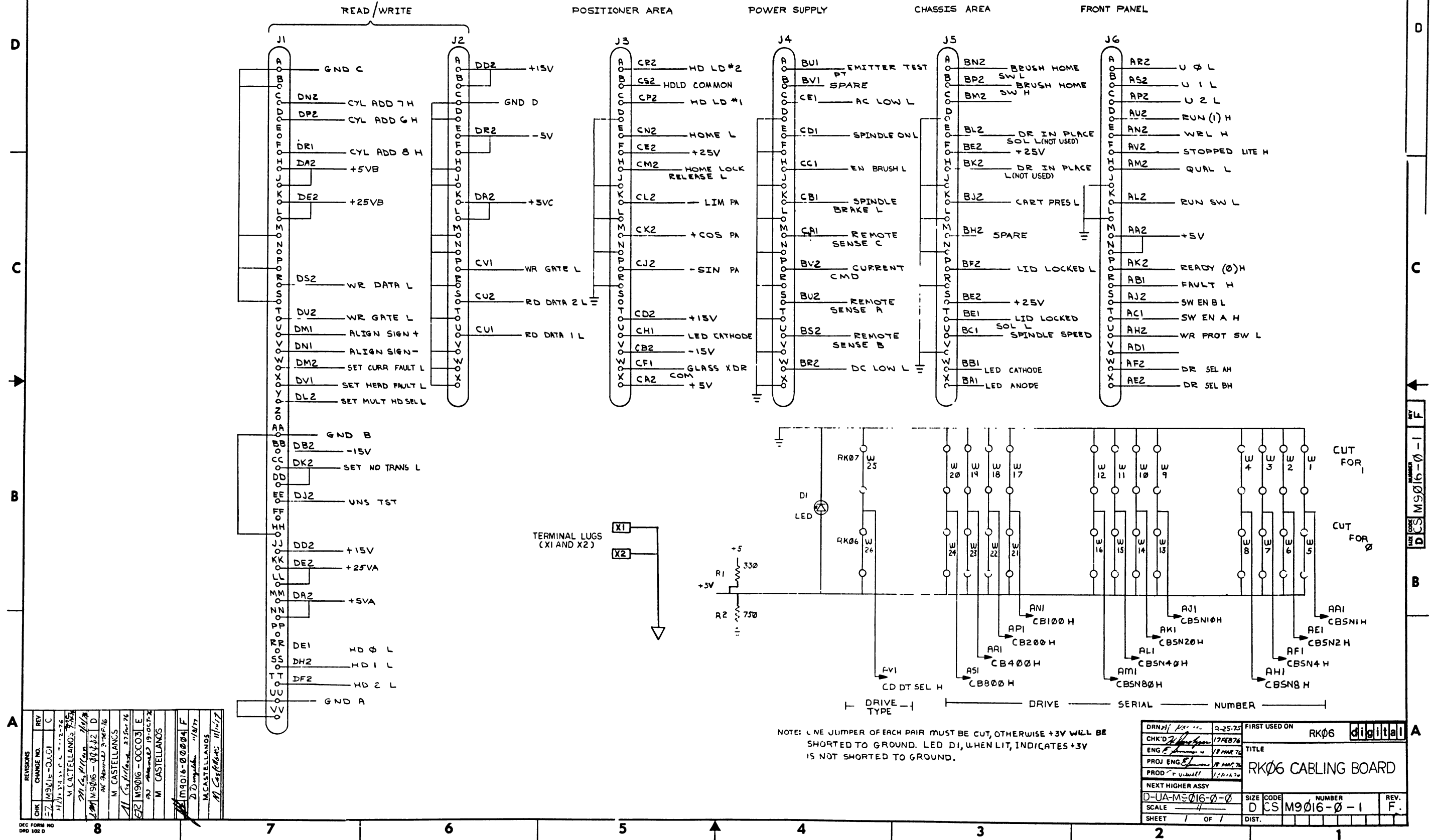
* COMPONENT IS MOUNTED ON HEAT SINK.

REVISIONS		
CHK	CHANGE NO	REV

TITLE		POWER SUPPLY		SIZE CODE	NUMBER				REV.		
CAP BOARD		H767			D	CS	5411040-0-1				J
SCALE		+ + +		SHEET		2		OF		2	
DIST.											

ETCH: REV E 1 MS# 30407

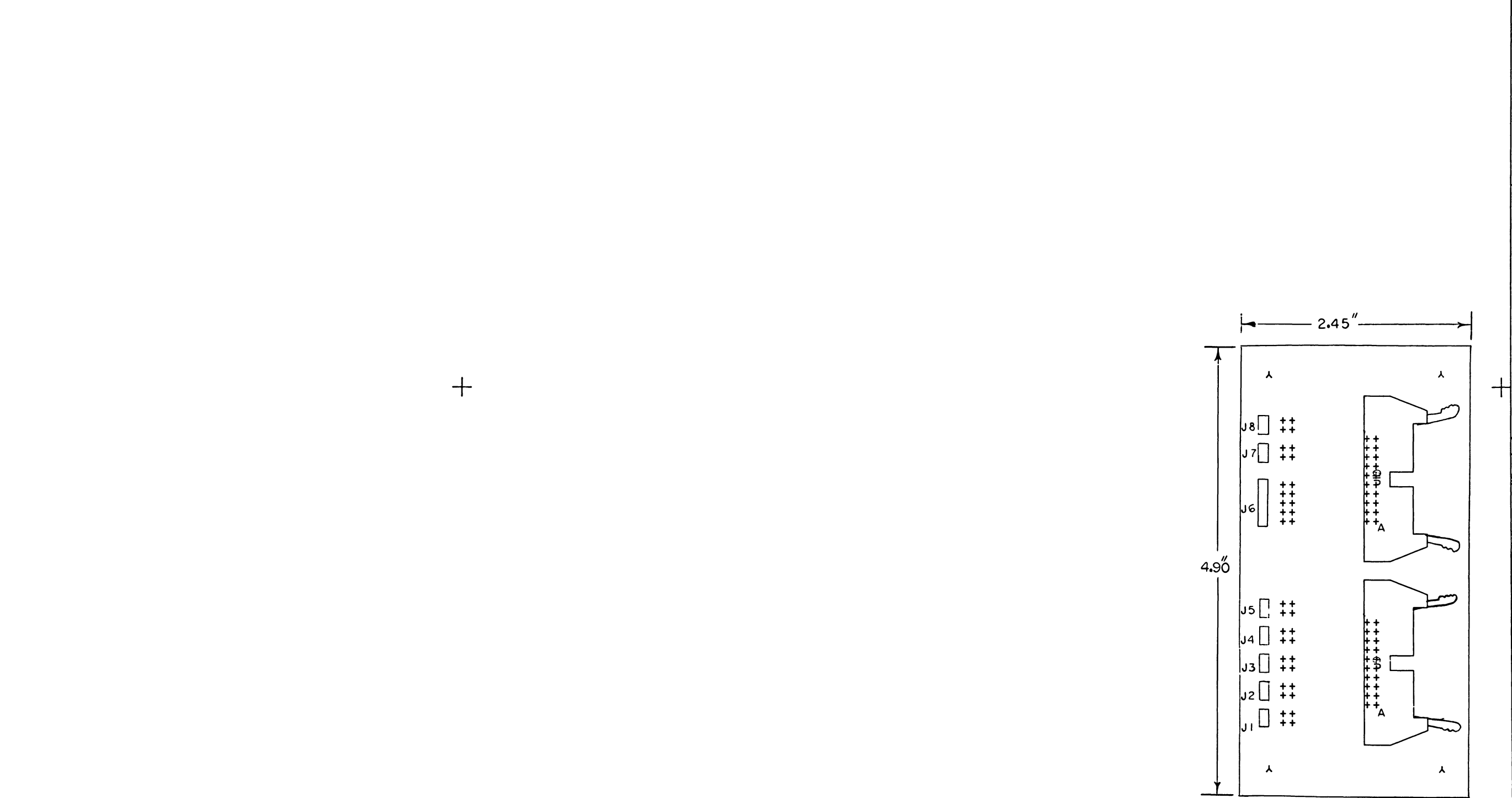
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COMPONENT SIDE VIEW



NOTES:

CHG	NO	REV
27	5411893-1	A

HOLE DATA												
SYMBOL	+	Δ	X	+	Z	M	Δ	□	◇	*		
FIN HOLE SIZE	.042	.218										
PLATED	X											
NON PLATED		X										
QTY.	78	4										
○-OFF CRD HLE												
DRILL SIZE												

BOARD FABRICATION INFORMATION	
PANEL SIZE	5.055 X 11.750
PANEL DATA DWG.#	D-MD-76Q5819-0-0
PANEL MAT'L	.052 THK.
QTY. OF LAYERS	2
COPPER THICKNESS	1OZ 2 SIDES
PTH. X	PRINT AND ETCH

SIGNATURES		DATE
DRN.	EG JIMMY	5-19-77
CHK'D	EG JIMMY	5-19-77
ENG.	EG JIMMY	5-19-77
PROJ.ENG.	EG JIMMY	5-19-77
PROD.		
SCALE	2:1	
SHT.	1 OF 4	
ETCH REV	A	FIRST USED ON RKO6

digital

TITLE RKO6
TRANSITION BOARD

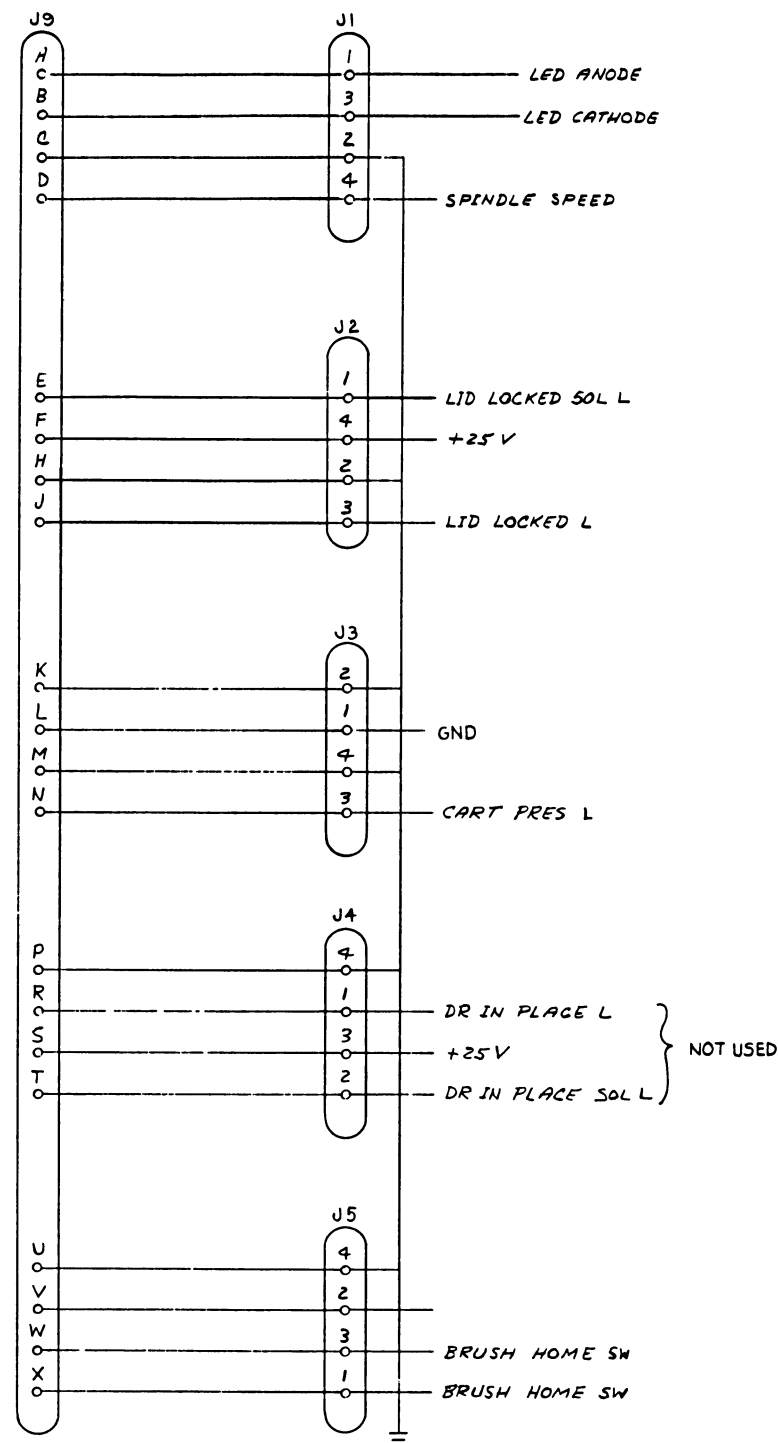
SIZECODE
D AH 5411893-0-5

NUMBER
A

REV

1 MS#80764

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CHASSIS

POSITIONER

ETCH BOARD REV A		FIRST USED ON		RK06		digital	
DRN <i>W. P.</i>	10-7-75	CHK'D <i>W. P.</i>	12 MAR 76	TITLE			
ENG <i>E. P.</i>	18 MAR 76	RK06				TRANSITION BOARD	
PROJ ENG <i>E. P.</i>	18 MAR 76	PROD C <i>W. P.</i>				19 MAR 76	
NEXT HIGHER ASSY				SIZE	CODE	NUMBER	REV
D-UA-5411893-C-0				D	CS	5411893-0-1	A
SCALE				SHEET 1 OF 1			
DIST				REV			

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NOTES:

1. THE ROUTING OF SOME WIRES ARE CRITICAL. ANY ROUTING CHANGE MUST HAVE ENGINEERING APPROVAL.

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.		
RK06			PARTS LIST				
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE WIRE LIST (SINGLE PORT)					
CHK'D.	DATE						
ENG.	DATE						
PROJ. ENG.	DATE						
PROD.	DATE						
NEXT HIGHER ASSEMBLY							
D-AD-7012474-0-0							
SCALE			SIZE	CODE	NUMBER	REV.	
SHEET	1	OF	1	K	WL	7012474-0-1	J

REVISIONS		REV.
CHK	CHANGE NO.	
	7012474-00001	A
	7012474-00002	B
	7012474-00003	C
	7012474-00004	D
	7012474-00005	E
	7012474-00008	F
	7012474-00009	H
	7012474-00010	J

RK06 SINGLE PORT.J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10130		PAGE 1				
RUN NAME		A/P	PIN	ORDER	BAY -	Q	DRAW	MODULE	TYPE	X	C	LOADING	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	RUN
			NAME	PIN	ORDER			FLAG				HIGH						NUMBER
+15			A16D2		1-01 *	P	S			2	1					0-4/8		1
+15			A16D1		1-02 *	P	S			2	2					0-4/8		1
+15			A15D2		1-03 *	P	S			2	2					3		1
+15			B15D2		1-04 *	P	S			2	2					2-6/8		1
+15			C15D2		1-05 *	P	S			2	2					0-6/8		1
+15			C16D2		1-06 *	P	S			2	2					3-1/8		1
+15			D15D2		1-07 *	P	S			2	2					3-2/8		1
+15			D09D2		1-08 *	P	S			2	2					3		1
+15			C09D2		1-09 *	P	S											1
+15					1							0	0	0	0	16-7/8	1400000000	1
+25			B09E2		1-01 *	P	S			2	1					2-6/8		2
+25			C09E2		1-02 *	P	S			2	2					3		2
+25			D09E2	C16V1	1-03 *	P	S			2						3-7/8		2
+25			C16V1		1-04 *	P				I								2
+25					1							0	0	0	0	9-5/8	1400000000	2
+5			A09A2		1-01 *	P	S			2	2					0-6/8		3
+5			A10A2		1-02 *	P	S			2	2					0-6/8		3
+5			A11A2		1-03 *	P	S			2	2					0-6/8		3
+5			A12A2		1-04 *	P	S			2	2					0-6/8		3
+5			A13A2		1-05 *	P	S			2	2					0-6/8		3
+5			A14A2		1-06 *	P	S			2	2					0-6/8		3
+5			A15A2		1-07 *	P	S			2	2					0-6/8		3
+5			A16A2		1-08 *	P	S			2	2					3-2/8		3
+5			B14A2		1-09 *	P	S			2	2					0-6/8		3
+5			B13A2		1-10 *	P	S			2	2					0-6/8		3
+5			B12A2		1-11 *	P	S			2	2					0-6/8		3
+5			B11A2		1-12 *	P	S			2	2					0-6/8		3
+5			B10A2		1-13 *	P	S			2	2					0-6/8		3
+5			B09A2		1-14 *	P	S			2	2					3-6/8		3
+5			B16A2		1-15 *	P	S			2	2					0-6/8		3
+5			B15A2		1-16 *	P	S			2	2					3-4/8		3
+5			B09A1		1-17 *	P	S			2	2					2-6/8		3
+5			C09A2		1-18 *	P	S			2	2					0-6/8		3
+5			C10A2		1-19 *	P	S			2	2					0-6/8		3
+5			C11A2		1-20 *	P	S			2	2					0-6/8		3
+5			C12A2		1-21 *	P	S			2	2					0-6/8		3
+5			C13A2		1-22 *	P	S			2	2					0-6/8		3
+5			C14A2		1-23 *	P	S			2	2					0-6/8		3
+5			C15A2		1-24 *	P	S			2	2					0-6/8		3
+5			C16A2		1-25 *	P	S			2	2					3-2/8		3
+5			D14A2		1-26 *	P	S			2	2					0-6/8		3
+5			D13A2		1-27 *	P	S			2	2					0-6/8		3
+5			D12A2		1-28 *	P	S			2	2					0-6/8		3
+5			D11A2		1-29 *	P	S			2	2					0-6/8		3
+5			D10A2		1-30 *	P	S			2	2					0-6/8		3
+5			D09A2		1-31 *	P	S			2	2					3-6/8		3
+5			D16A2		1-32 *	P	S			2	2					0-6/8		3
+5			D15A2		1-33 *	P	S											3
+5					1							0	0	0	0	39-6/8	1400000000	3
+C08 PA			A15B1		1-01 *	K	S			1	1					7-1/8		4
+C08 PA			C09K2		1-02 *		S											4
+C08 PA					1							0	0	0	0	7-1/8	1400000000	4

RK06 SINGLE PORT.J RUN NAME	VGNRAP 35(102)-1		03-JUN-77		Q	DRAW	MODULE TYPE FLAG	X	C	10-Oct-77		10130		PAGE 2		RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS		
-15		A16B2		1-01 *		S		1	I				N	0-6/8		5
-15		A15B2		1-02 *	P	S		2	2					3		5
-15		B15B2		1-03 *	P	S		2	2					0-6/8		5
-15		B16B2		1-04 *	P	S		2	2					2-6/8		5
-15		C16B2		1-05 *	P	S		2	2					0-6/8		5
-15		C15B2		1-06 *	P	S		2	2					3		5
-15		D15B2		1-07 *	P	S		2	2					3-2/8		5
-15		D09B2		1-08 *	P	S		2	2					3		5
-15		C09B2		1-09 *	P	S										5
-15				1						0	0	0	0	17-2/8	1400000000	5
-5		A16R2		1-01 *	P	S		2	1					3-5/8		6
-5		A10L1		1-02 *	P	S		2	2					0-6/8		6
-5		A11L1		1-03 *	P	S		2	2					8-7/8		6
-5		D09R2		1-04 *	P	S										6
-5				1						0	0	0	0	13-2/8	1400000000	6
-SIN PA		A15A1		1-01 *		S		1	1				N	7		7
-SIN PA		C09J2		1-02 *		S										7
-SIN PA				1						0	0	0	0	7-0/8	1400000000	7
A PK DET L		A16B1	C16R2	1-01 *		S		1	I				N	7		8
A PK DET L		C16R2		1-02 *		S			I							8
A PK DET L				1						0	0	0	0	7-0/8	1400000000	8
AC LOW ERR H		C10J2		1-01 *		S		1	2				N	0-6/8		9
AC LOW ERR H		C11J2		1-02 *		S		2	1				N	1		9
AC LOW ERR H		C13J1		1-03 *		S										9
AC LOW ERR H				1						0	0	0	0	1-6/8	1400000000	9
AC LOW L		C09E1		1-01 *		S		1	1				N	4		10
AC LOW L		D13H2		1-02 *		S										10
AC LOW L				1						0	0	0	0	4-0/8	1400000000	10
B PK DET L		A16A1	C16P2	1-01 *		S		1	I				N	7		11
B PK DET L		C16P2		1-02 *		S			I							11
B PK DET L				1						0	0	0	0	7-0/8	1400000000	11
BAD ADDR H		C13R1		1-01 *		S		1	1				N	0-7/8		12
BAD ADDR H		C14B2		1-02 *		S										12
BAD ADDR H				1						0	0	0	0	0-7/8	1400000000	12
BETWEEN LIM H		A14K1		1-01 *		S		1	I				N	0-5/8		13
BETWEEN LIM H		D13N1		1-02 *		S		2	I				N	5-7/8		13
BETWEEN LIM H		B16N2		1-03 *		S		1	I				N	5-3/8		13
BETWEEN LIM H		D15L2		1-04 *		S			I							13
BETWEEN LIM H				1						0	0	0	0	19-7/8	1400000000	13
BETWEEN LIM L		D13K1		1-01 *		S		2	2				N	0-4/8		14
BETWEEN LIM L		A10K1		1-02 *		S		1	1				N	0-6/8		14
BETWEEN LIM L		A11K1		1-03 *		S		2	2				N	2-1/8		14
BETWEEN LIM L		A14E2		1-04 *		S		1	1				N	9-1/8		14
BETWEEN LIM L		D15M2		1-05 *		S										14
BETWEEN LIM L				1						0	0	0	0	20-4/8	1400000000	14

RK06 SINGLE PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAM	MODULE TYPE FLAG	Z	C	LOADING HIGH	10-Oct-77		10130 NC LENGTH	PAGE 3 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER							LOW	AC EXTRA			
BRUSH HOME SW NO		B09N2		1-01 *		8		1	1				N	5-6/8	15
BRUSH HOME SW NO		D13M2		1-02 *		8									15
BRUSH HOME SW NO				1						0	0	0	0	5-6/8 1400000000	15
BRUSHHOME-SWITCH NC H		B09P2		1-01 *		8		2	2				N	3	16
BRUSHHOME-SWITCH NC H		B14L2		1-02 *		8		1	1				N	6-5/8	16
BRUSHHOME-SWITCH NC H		D13V2		1-03 *		8									16
BRUSHHOME-SWITCH NC H				1						0	0	0	0	9-5/8 1400000000	16
BUFF 01 H		C10D1		1-01 *		8		1	1				N	0-6/8	17
BUFF 01 H		C11D1		1-02 *		8		2	2				N	2-1/8	17
BUFF 01 H		C13U1		1-03 *		8		1	1				N	2-4/8	17
BUFF 01 H		D14N1		1-04 *		8									17
BUFF 01 H				1						0	0	0	0	5-3/8 1400000000	17
BUFF 02 H		D10J1		1-01 *		8		1	1				N	0-6/8	18
BUFF 02 H		D11J1		1-02 *		8		2	2				N	5-3/8	18
BUFF 02 H		B14N2		1-03 *		8									18
BUFF 02 H				1						0	0	0	0	6-1/8 1400000000	18
BUFF 03 H		D10M1		1-01 *		8		1	1				N	0-6/8	19
BUFF 03 H		D11M1		1-02 *		8		2	2				N	5-6/8	19
BUFF 03 H		B14M1		1-03 *		8									19
BUFF 03 H				1						0	0	0	0	6-4/8 1400000000	19
CART PRES H		B10U2		1-01 *		8		1	1				N	0-6/8	20
CART PRES H		B11U2		1-02 *		8		2	2				N	2-1/8	20
CART PRES H		B14J1		1-03 *		8		1	1				N	5-2/8	20
CART PRES H		D13P2		1-04 *		8									20
CART PRES H				1						0	0	0	0	0-1/8 1400000000	20
CART PRES L		B09J2		1-01 *		8		1	1				N	4-3/8	21
CART PRES L		C13U2		1-02 *		8									21
CART PRES L				1						0	0	0	0	4-3/8 1400000000	21
CBDTSEL		A09V1		1-01 *		8		2	1				N	1-3/8	22
CBDTSEL		A10M2		1-02 *		8		1	1				N	0-6/8	22
CBDTSEL		A11M2		1-03 *		8			1						22
CBDTSEL				1						0	0	0	0	2-1/8 1400000000	22
CBSN1 H		A09A1		1-01 *		8		1	1				N	3-7/8	23
CBSN1 H		A14V2		1-02 *		8			1						23
CBSN1 H				1						0	0	0	0	3-7/8 1400000000	23
CBSN10 H		A09J1		1-01 *		8		1	1				N	3-5/8	24
CBSN10 H		B14D1		1-02 *		8			1						24
CBSN10 H				1						0	0	0	0	3-5/8 1400000000	24
CBSN100 H		A09N1		1-01 *		8		1	1				N	3	25
CBSN100 H		A1402		1-02 *		8			1						25
CBSN100 H				1						0	0	0	0	3-0/8 1400000000	25
CBSN2 H		A09E1		1-01 *		8		1	1				N	3-3/8	26
CBSN2 H		A14V1		1-02 *		8			1						26
CBSN2 H				1						0	0	0	0	3-3/8 1400000000	26

RK06 SINGLE PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAM	MODULE TYPE FLAG	Z	C	LOADING HIGH	10-Oct-77		10130 NC LENGTH	PAGE 4 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER							LOW	AC EXTRA			
CBSN20 H		A09K1		1-01 *		8		1	1				N	3-2/8	27
CBSN20 H		A14T2		1-02 *		8			1						27
CBSN20 H				1						0	0	0	0	3-2/8 1400000000	27
CBSN200 H		A09P1		1-01 *		8		1	1				N	2-7/8	28
CBSN200 H		A14R1		1-02 *		8			1						28
CBSN200 H				1						0	0	0	0	2-7/8 1400000000	28
CBSN4 H		A09F1		1-01 *		8		1	1				N	3-4/8	29
CBSN4 H		B14A1		1-02 *		8			1						29
CBSN4 H				1						0	0	0	0	3-4/8 1400000000	29
CBSN40 H		A09L1		1-01 *		8		1	1				N	4-2/8	30
CBSN40 H		B14N2		1-02 *		8			1						30
CBSN40 H				1						0	0	0	0	4-2/8 1400000000	30
CBSN400 H		A09R1		1-01 *		8		1	1				N	2-5/8	31
CBSN400 H		A14P1		1-02 *		8			1						31
CBSN400 H				1						0	0	0	0	2-5/8 1400000000	31
CBSN8 H		A09H1		1-01 *		8		1	1				N	3-5/8	32
CBSN8 H		B14C1		1-02 *		8			1						32
CBSN8 H				1						0	0	0	0	3-5/8 1400000000	32
CBSN80 H		A09M1		1-01 *		8		1	1				N	2-7/8	33
CBSN80 H		A1401		1-02 *		8			1						33
CBSN80 H				1						0	0	0	0	2-7/8 1400000000	33
CBSN800 H		A0901		1-01 *		8		1	1				N	3-1/8	34
CBSN800 H		A14R2		1-02 *		8			1						34
CBSN800 H				1						0	0	0	0	3-1/8 1400000000	34
CHANGE RUN SW L		B13B1		1-01 *		8		2	2				N	7-1/8	35
CHANGE RUN SW L		D11R1		1-02 *		8		1	1				N	0-6/8	35
CHANGE RUN SW L		D10R1		1-03 *		8									35
CHANGE RUN SW L				1						0	0	0	0	7-7/8 1400000000	35
CLK CTR 00 H		C10K2		1-01 *		8		1	1				N	0-6/8	36
CLK CTR 00 H		C11K2		1-02 *		8		2	2				N	6	36
CLK CTR 00 H		A14H2		1-03 *		8		1	1				N	1-1/8	36
CLK CTR 00 H		A13K1		1-04 *		8									36
CLK CTR 00 H				1						0	0	0	0	7-7/8 1400000000	36
CLK CTR 01 H		C10M2		1-01 *		8		1	2				N	0-6/8	37
CLK CTR 01 H		C11M2		1-02 *		8		2	1				N	6-1/8	37
CLK CTR 01 H		A14H1		1-03 *		8		1	2				N	0-7/8	37
CLK CTR 01 H		A13E1		1-04 *		8									37
CLK CTR 01 H				1						0	0	0	0	7-6/8 1400000000	37
CLK CTR 02 H		C11L2		1-01 *		8		1	2				N	0-6/8	38
CLK CTR 02 H		C10L2		1-02 *		8		2	1				N	6-3/8	38
CLK CTR 02 H		A13D1		1-03 *		8		1	2				N	1-2/8	38
CLK CTR 02 H		A14J2		1-04 *		8									38
CLK CTR 02 H				1						0	0	0	0	0-3/8 1400000000	38

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10130		PAGE 5		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	X	C C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS		
CLK CTR 03 H		D10K1		1-01 *		S		1	1					N 0-6/8	39	
CLK CTR 03 H		D11K1		1-02 *		S		2	2					N 0-6/8	39	
CLK CTR 03 H		A13F1		1-03 *		S		1	1					N 6	39	
CLK CTR 03 H		C14K2		1-04 *		S									39	
CLK CTR 03 H				1						0	0	0	0	15-4/8 1400000000	39	
CLR ERR L		C10F1		1-01 *		S		1	1					N 0-6/8	40	
CLR ERR L		C11F1		1-02 *		S		2	2					N 1-1/8	40	
CLR ERR L		C13H1		1-03 *		S									40	
CLR ERR L				1						0	0	0	0	1-7/8 1400000000	40	
CLR VOL VAL L		B10R1		1-01 *		S		1	2					N 0-6/8	41	
CLR VOL VAL L		B11R1		1-02 *		S		2	1					N 5	41	
CLR VOL VAL L		D13K2		1-03 *		S									41	
CLR VOL VAL L				1						0	0	0	0	5-6/8 1400000000	41	
COARSE TRACK H		B16V2		1-01 *		S		1	2					N 5-3/8	42	
COARSE TRACK H		D14S1		1-02 *		S									42	
COARSE TRACK H				1						0	0	0	0	5-3/8 1400000000	42	
CONT CLO SIGA	H	J00100		1-01 *	H	S	219	1		-TWP				5-6/8	43	
CONT CLO SIGA	H	B11N2		1-02 *	H	S	219	2		-TWP				4-5/8	43	
CONT CLO SIGA	H	J00200		1-03 *	T	S	T 219			-TWP					43	
CONT CLO SIGA	H			1						0	0	0	0	10-3/8 1400000000	43	
CONT CLO SIGA	L	J00107		1-01 *	D	S	219	1		+TWP				5-6/8	44	
CONT CLO SIGA	L	B11M2		1-02 *	D	S	219	2		+TWP				4-6/8	44	
CONT CLO SIGA	L	J00207		1-03 *	T	S	T 219			+TWP					44	
CONT CLO SIGA	L			1						0	0	0	0	10-4/8 1400000000	44	
CONT CLO SIGB	H	J00300		1-01 *	H	S	219	1		-TWP				5-7/8	45	
CONT CLO SIGB	H	B10N2		1-02 *	H	S	219	2		-TWP				4-6/8	45	
CONT CLO SIGB	H	J00400		1-03 *	T	S	T 219			-TWP					45	
CONT CLO SIGB	H			1						0	0	0	0	10-5/8 1400000000	45	
CONT CLO SIGB	L	J00307		1-01 *	D	S	219	1		+TWP				6	46	
CONT CLO SIGB	L	B10M2		1-02 *	D	S	219	2		+TWP				4-7/8	46	
CONT CLO SIGB	L	J00407		1-03 *	T	S	T 219			+TWP					46	
CONT CLO SIGB	L			1						0	0	0	0	10-7/8 1400000000	46	
CP H		A10A1		1-01 *		S		1	1					N 0-6/8	47	
CP H		A11A1		1-02 *		S		2	2					N 0-7/8	47	
CP H		D14D1		1-03 *		S									47	
CP H				1						0	0	0	0	9-5/8 1400000000	47	
CTD SIGA	H	J00114		1-01 *	H	S	219	1		-TWP				4-3/8	48	
CTD SIGA	H	C11P2		1-02 *	H	S	219	2		-TWP				3	48	
CTD SIGA	H	J00214		1-03 *	T	S	T 219			-TWP					48	
CTD SIGA	H			1						0	0	0	0	7-3/8 1400000000	48	
CTD SIGA	L	J00113		1-01 *	D	S	219	1		+TWP				5	49	
CTD SIGA	L	C11B1		1-02 *	D	S	219	2		+TWP				3-6/8	49	
CTD SIGA	L	J00213		1-03 *	T	S	T 219			+TWP					49	
CTD SIGA	L			1						0	0	0	0	8-6/8 1400000000	49	

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10130		PAGE 6		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE TYPE FLAG	S	C C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS		
CTD SIGB	H	J00314		1-01 *	H	8	219	1		-TWP				4-6/8	50	
CTD SIGB	H	C10P2		1-02 *	H	8	219	2		-TWP				3-2/8	50	
CTD SIGB	H	J00414		1-03 *	T	8	T 219			-TWP					50	
CTD SIGB	H			1						0	0	0	0	0-0/8 1400000000	50	
CTD SIGB	L	J00313		1-01 *	D	8	219	1		+TWP				5-2/8	51	
CTD SIGB	L	C10B1		1-02 *	D	8	219	2		+TWP				4	51	
CTD SIGB	L	J00413		1-03 *	T	8	T 219			+TWP					51	
CTD SIGB	L			1						0	0	0	0	9-2/8 1400000000	51	
CTRLR PWR A L		D11V2		1-01 *	P			2	I					3	52	
CTRLR PWR A L		J00239		1-02 *	P			2	I					1-7/8	52	
CTRLR PWR A L		J00139		1-03 *	P				I						52	
CTRLR PWR A L				1						0	0	0	0	4-7/8 1400000000	52	
CTRLR PWR B L		D10V2		1-01 *	P			2	I					3-2/8	53	
CTRLR PWR B L		J00439		1-02 *	P			2	I					1-7/8	53	
CTRLR PWR B L		J00339		1-03 *	P				I						53	
CTRLR PWR B L				1						0	0	0	0	5-1/8 1400000000	53	
CURRENT CMD		B09V2		1-01 *	K	8		1	1					3-1/8	54	
CURRENT CMD		C15B1		1-02 *		8									54	
CURRENT CMD				1						0	0	0	0	3-1/8 1400000000	54	
CYL ADD 06 H		C14E2		1-01 *		8		1	1					N 4-6/8	55	
CYL ADD 06 H		D09P2		1-02 *		8									55	
CYL ADD 06 H				1						0	0	0	0	4-6/8 1400000000	55	
CYL ADD 07 H		C14F2		1-01 *		8		1	1					N 4-5/8	56	
CYL ADD 07 H		D09N2		1-02 *		8									56	
CYL ADD 07 H				1						0	0	0	0	4-5/8 1400000000	56	
CYL ADD 08 H		C14H2		1-01 *		8		1	1					N 4-6/8	57	
CYL ADD 08 H		D09R1		1-02 *		8									57	
CYL ADD 08 H				1						0	0	0	0	4-6/8 1400000000	57	
CYL DIFF 04 H		A14H1				8								1-PIN RUN	58	
DAC 00 H		B15B1		1-01 *		8		1	1					N 6-1/8	59	
DAC 00 H		D14H2		1-02 *		8									59	
DAC 00 H				1						0	0	0	0	6-1/8 1400000000	59	
DAC 01 H		B15C1		1-01 *		8		1	1					N 6-3/8	60	
DAC 01 H		D14L1		1-02 *		8									60	
DAC 01 H				1						0	0	0	0	6-3/8 1400000000	60	
DAC 02 H		B15E2		1-01 *		8		1	1					N 6-1/8	61	
DAC 02 H		D14L2		1-02 *		8									61	
DAC 02 H				1						0	0	0	0	6-1/8 1400000000	61	
DAC 03 H		B15F2		1-01 *		8		1	1					N 6	62	
DAC 03 H		D14K2		1-02 *		8									62	
DAC 03 H				1						0	0	0	0	6-0/8 1400000000	62	

RK06 SINGLE PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				DRAW	MODULE TYPE	Z	C	10-Oct-77		10:30	PAGE 7	RUN
	A/P	PIN	ORDER	BAY - Q					LOADING	LOW	AC EXTRA	NC LENGTH EXCEPTIONS	
		NAME	PIN	ORDER	OPT	FLAG		C	HIGH				NUMBER
DAC 04 H		B15H2		1-01 *	8		1	1				N 5-7/8	63
DAC 04 H		D14K1		1-02 *	8								63
DAC 04 H				1					0	0	0	0 5-7/8 14000000000	63
DAC 05 H		B15F1		1-01 *	8		1	1				N 5-6/8	64
DAC 05 H		D14J2		1-02 *	8								64
DAC 05 H				1					0	0	0	0 5-6/8 14000000000	64
DAC 06 H		B15J1		1-01 *	8		1	I				N 3-1/8	65
DAC 06 H		C14L1		1-02 *	8			I					65
DAC 06 H				1					0	0	0	0 3-1/8 14000000000	65
DC LOW L		B09R2		1-01 *	8		1	1				N 0-6/8	66
DC LOW L		B10R2		1-02 *	8		2	2				N 0-6/8	66
DC LOW L		B11R2		1-03 *	8		1	1				N 5-3/8	66
DC LOW L		D13N2		1-04 *	8								66
DC LOW L				1					0	0	0	0 6-7/8 14000000000	66
DIFF CTR 00 H		C14N1		1-01 *	8		1	1				N 1-7/8	67
DIFF CTR 00 H		D13B1		1-02 *	8								67
DIFF CTR 00 H				1					0	0	0	0 1-7/8 14000000000	67
DP TEST A L		D11A1			8							1-PIN RUN	68
DP TEST B L		D10A1			8							1-PIN RUN	69
DR AVAIL H		C10R1		1-01 *	8		1	2				N 0-6/8	70
DR AVAIL H		C11R1		1-02 *	8		2	1				N 2-5/8	70
DR AVAIL H		D14H1		1-03 *	8								70
DR AVAIL H				1					0	0	0	0 3-3/8 14000000000	70
DR OFF TRACK H		C10D2		1-01 *	8		1	2				N 0-6/8	71
DR OFF TRACK H		C11D2		1-02 *	8		2	1				N 1-3/8	71
DR OFF TRACK H		C13F2		1-03 *	8								71
DR OFF TRACK H				1					0	0	0	0 2-1/8 14000000000	71
DR OFF TRACK L		A10B1	C13L1	1-01 *	8		1	2				N 0-6/8	72
DR OFF TRACK L		A11B1		1-02 *	8		2	1				N 5	72
DR OFF TRACK L		C13L1		1-03 *	8								72
DR OFF TRACK L				1					0	0	0	0 5-6/8 14000000000	72
DR SEL A L		C11U1		1-01 *	8		1	1				N 7	73
DR SEL A L		A09F2		1-02 *	8								73
DR SEL A L				1					0	0	0	0 7-0/8 14000000000	73
DR SEL B L		A09E2		1-01 *	8		1	1				N 7	74
DR SEL B L		C10U1		1-02 *	8								74
DR SEL B L				1					0	0	0	0 7-0/8 14000000000	74
EN BRUSHES L		C09C1		1-01 *	8		1	1				5-3/8	75
EN BRUSHES L		D13V1		1-02 *	8								75
EN BRUSHES L				1					0	0	0	0 5-3/8 14000000000	75
EN FWD SERVO L		B14H1		1-01 *	8		1	1				N 1-2/8	76
EN FWD SERVO L		B15P1		1-02 *	8								76
EN FWD SERVO L				1					0	0	0	0 1-2/8 14000000000	76

RK06 SINGLE PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				DRAW	MODULE TYPE	Z	C	10-Oct-77		10:30	PAGE 8	RUN
	A/P	PIN	ORDER	BAY - Q					LOADING	LOW	AC EXTRA	NC LENGTH EXCEPTIONS	
		NAME	PIN	ORDER	OPT	FLAG		C	HIGH				NUMBER
EN REV SERVO L		B14P2		1-01 *	8		1	1				N 1-3/8	77
EN REV SERVO L		C15A1		1-02 *	8								77
EN REV SERVO L				1					0	0	0	0 1-3/8 14000000000	77
EN VEL SM L		A14L2		1-01 *	8		1	I				N 0-6/8	78
EN VEL SM L		A15L2		1-02 *	8			I					78
EN VEL SM L				1					0	0	0	0 0-6/8 14000000000	78
ENLD/UNLD TACH L		A14E1		1-01 *	8		1	1				N 7-1/8	79
ENLD/UNLD TACH L		C15U2		1-02 *	8								79
ENLD/UNLD TACH L				1					0	0	0	0 7-1/8 14000000000	79
EVEN TRK FOLLOW L		B14E1		1-01 *	8		1	1				N 1-2/8	80
EVEN TRK FOLLOW L		B15K2		1-02 *	8								80
EVEN TRK FOLLOW L				1					0	0	0	0 1-2/8 14000000000	80
FAULT H		A09B1		1-01 *	8		2	1				N 6	81
FAULT H		C'0E2		1-02 *	8		1	2				N 0-6/8	81
FAULT H		C11E2		1-03 *	8		2	1				N 1-7/8	81
FAULT H		B13B2		1-04 *	8								81
FAULT H				1					0	0	0	0 8-5/8 14000000000	81
FAULT L		C13B2		1-01 *	8		1	1				N 4-4/8	82
FAULT L		D14P2		1-02 *	8								82
FAULT L				1					0	0	0	0 4-4/8 14000000000	82
FINE TRACK DLD L		C16F2		1-01 *	8		1	1				N 3-4/8	83
FINE TRACK DLD L		D13F1		1-02 *	8								83
FINE TRACK DLD L				1					0	0	0	0 3-4/8 14000000000	83
FINE TRACK H		B14B1		1-01 *	8		1	1				N 1-5/8	84
FINE TRACK H		B16U2		1-02 *	8								84
FINE TRACK H				1					0	0	0	0 1-5/8 14000000000	84
FINE TRACK L		C16A1			8							1-PIN RUN	85
FORMAT H		A13B2		1-01 *	8		2	1				N 5-6/8	86
FORMAT H		C11B1		1-02 *	8		1	2				N 0-6/8	86
FORMAT H		C10B1		1-03 *	8								86
FORMAT H				1					0	0	0	0 6-4/8 14000000000	86
FWD H		B14F2		1-01 *	8		1	1				N 4-1/8	87
FWD H		C15T2		1-02 *	8								87
FWD H				1					0	0	0	0 4-1/8 14000000000	87

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:30		PAGE 9		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
GND		A09C2		1-01 *	P	S		2	2					0-6/8		00
GND		A10C2		1-02 *	P	S		2	2					0-6/8		00
GND		A11C2		1-03 *	P	S		2	2					0-6/8		00
GND		A12C2		1-04 *	P	S		2	2					0-6/8		00
GND		A13C2		1-05 *	P	S		2	2					0-6/8		00
GND		A14C2		1-06 *	P	S		2	2					0-6/8		00
GND		A15C2		1-07 *	P	S		2	2					0-6/8		00
GND		A16C2		1-08 *	P	S		2	2					3-2/8		00
GND		B14C2		1-09 *	P	S		2	2					0-6/8		00
GND		B13C2		1-10 *	P	S		2	2					0-6/8		00
GND		B12C2		1-11 *	P	S		2	2					0-6/8		00
GND		B11C2		1-12 *	P	S		2	2					0-6/8		00
GND		B10C2		1-13 *	P	S		2	2					0-6/8		00
GND		B09C2		1-14 *	P	S		2	2					3-6/8		00
GND		B16C2		1-15 *	P	S		2	2					0-6/8		00
GND		B15C2	J00240	1-16 *	P	S		2						0		00
GND		J00240	J00440	1-17 *	P			1	I					1-1/8		00
GND		J00440	J00140	1-18 *	P			1	I					1-1/8		00
GND		J00140	J00340	1-19 *	P			1	I					1-1/8		00
GND		J00340		1-20 *	P				I							00
GND				1						0	0	0	0	20-1/8	1400000000	00
GND A		C09F1		1-01 *		S		2	2					N 4-2/8		00
GND A		A09T1		1-02 *	P	S		2	1					0-6/8		00
GND A		A10T1		1-03 *	P	S		2	2					0-6/8		00
GND A		A11T1		1-04 *	P	S		2	2					0-6/8		00
GND A		A12T1		1-05 *	P	S		2	2					0-6/8		00
GND A		A13T1		1-06 *	P	S		2	2					0-6/8		00
GND A		A14T1		1-07 *	P	S		2	2					0-6/8		00
GND A		A15T1		1-08 *	P	S		2	2					0-6/8		00
GND A		A16T1		1-09 *	P	S		2	2					3-2/8		00
GND A		B14T1		1-10 *	P	S		2	2					0-6/8		00
GND A		B13T1		1-11 *	P	S		2	2					0-6/8		00
GND A		B12T1		1-12 *	P	S		2	2					0-6/8		00
GND A		B11T1		1-13 *	P	S		2	2					3-4/8		00
GND A		A10P1		1-14 *		S		1	1					N 0-6/8		00
GND A		A11P1		1-15 *		S		2	2					N 3-4/8		00
GND A		B10T1		1-16 *	P	S		2	2					0-6/8		00
GND A		B09T1		1-17 *	P	S		2	2					3-6/8		00
GND A		A10M1		1-18 *		S		1	1					N 0-6/8		00
GND A		A11M1		1-19 *		S		2	2					N 4-8/8		00
GND A		B16T1		1-20 *	P	S		2	2					0-6/8		00
GND A		B15T1		1-21 *	P	S		2	2					1-6/8		00
GND A		B13J1		1-22 *	P	S										00
GND A				1						0	0	0	0	35-1/8	1400000000	00

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:30		PAGE 10		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
GND B		B16C1		1-01 *	P	S		2	1					0-4/8		00
GND B		B16D1		1-02 *	P	S		2	2					0-4/8		00
GND B		B16E1		1-03 *	P	S		2	2					0-4/8		00
GND B		B16F1		1-04 *	P	S		2	2					0-4/8		00
GND B		B16H1		1-05 *	P	S		2	2					0-4/8		00
GND B		B16J1		1-06 *	P	S		2	2					0-4/8		00
GND B		B16K1		1-07 *	P	S		2	2					0-4/8		00
GND B		B16L1		1-08 *	P	S		2	2					0-4/8		00
GND B		B16M1		1-09 *	P	S		2	2					0-4/8		00
GND B		B16N1		1-10 *	P	S		2	2					0-4/8		00
GND B		B16P1		1-11 *	P	S		2	2					0-4/8		00
GND B		B16R1		1-12 *	P	S		2	2					0-4/8		00
GND B		B16S1		1-13 *	P	S		2	2					1-2/8		00
GND B		C16C1		1-14 *	P	S		2	2					0-4/8		00
GND B		C16D1		1-15 *	P	S		2	2					0-4/8		00
GND B		C16E1		1-16 *	P	S		2	2					0-4/8		00
GND B		C16F1		1-17 *	P	S		2	2					0-4/8		00
GND B		C16H1		1-18 *	P	S		2	2					0-4/8		00
GND B		C16J1		1-19 *	P	S		2	2					0-4/8		00
GND B		C16K1		1-20 *	P	S		2	2					0-4/8		00
GND B		C16L1		1-21 *	P	S		2	2					0-4/8		00
GND B		C16M1		1-22 *	P	S		2	2					0-4/8		00
GND B		C16N1		1-23 *	P	S		2	2					0-4/8		00
GND B		C16P1		1-24 *	P	S		2	2					0-4/8		00
GND B		C16R1		1-25 *	P	S		2	2					0-4/8		00
GND B		C16S1		1-26 *	P	S		2	2					2		00
GND B		D16H1		1-27 *	P	S		2	2					0-4/8		00
GND B		D16F1		1-28 *	P	S		2	2					0-4/8		00
GND B		D16H2		1-29 *	P	S		2	2					0-4/8		00
GND B		D16J1		1-30 *	P	S		2	2					0-4/8		00
GND B		D16K1		1-31 *	P	S		2	2					0-4/8		00
GND B		D16L1		1-32 *	P	S		2	2					0-4/8		00
GND B		D16M2		1-33 *	P	S		2	2					0-4/8		00
GND B		D16N2		1-34 *	P	S		2	2					0-4/8		00
GND B		D16R2		1-35 *	P	S		2	2					0-6/8		00
GND B		D16S1		1-36 *	P	S		2	2					0-6/8		00
GND B		D16R1		1-37 *	P	S		2	2					0-4/8		00
GND B		D16P1		1-38 *	P	S		2	2					0-4/8		00
GND B		D16M1		1-39 *	P	S		2	2					0-4/8		00
GND B		D16N1		1-40 *	P	S										00
GND B				1						0	0	0	0	22-0/8	1400000000	00

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:30		PAGE 11		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS		
GND C		C09T1		1-01 *	P	8		2	2					0-6/8		91
GND C		C10T1		1-02 *	P	8		2	2					0-6/8		91
GND C		C11T1		1-03 *	P	8		2	2					0-6/8		91
GND C		C12T1		1-04 *	P	8		2	2					0-6/8		91
GND C		C13T1		1-05 *	P	8		2	2					0-6/8		91
GND C		C14T1		1-06 *	P	8		2	2					0-6/8		91
GND C		C15T1		1-07 *	P	8		2	2					0-6/8		91
GND C		C16T1		1-08 *	P	8		2	2					3-2/8		91
GND C		D14T1		1-09 *	P	8		2	2					0-6/8		91
GND C		D13T1		1-10 *	P	8		2	2					0-6/8		91
GND C		D12T1		1-11 *	P	8		2	2					0-6/8		91
GND C		D11T1		1-12 *	P	8		2	2					0-6/8		91
GND C		D10T1		1-13 *	P	8		2	2					0-6/8		91
GND C		D09T1		1-14 *	P	8		2	2					3-6/8		91
GND C		D16T1		1-15 *	P	8		2	2					0-6/8		91
GND C		D15T1		1-16 *	P	8								16-6/8 1400000000		91
GND C				1						0	0	0	0			91
GND D		C09C2		1-01 *	P	8		2	2					0-6/8		92
GND D		C10C2		1-02 *	P	8		2	2					0-6/8		92
GND D		C11C2		1-03 *	P	8		2	2					0-6/8		92
GND D		C12C2		1-04 *	P	8		2	2					0-6/8		92
GND D		C13C2		1-05 *	P	8		2	2					0-6/8		92
GND D		C14C2		1-06 *	P	8		2	2					0-6/8		92
GND D		C15C2		1-07 *	P	8		2	2					0-6/8		92
GND D		C16C2		1-08 *	P	8		2	2					3-2/8		92
GND D		D14C2		1-09 *	P	8		2	2					0-6/8		92
GND D		D13C2		1-10 *	P	8		2	2					0-6/8		92
GND D		D12C2		1-11 *	P	8		2	2					0-6/8		92
GND D		D11C2		1-12 *	P	8		2	2					0-6/8		92
GND D		D10C2		1-13 *	P	8		2	2					0-6/8		92
GND D		D09C2		1-14 *	P	8		2	2					3-6/8		92
GND D		D16C2		1-15 *	P	8		2	2					0-6/8		92
GND D		D15C2		1-16 *	P	8								16-6/8 1400000000		92
GND D				1						0	0	0	0			92
HD 00 L		A14C1		1-01 *		8		1	1					N 0-7/8		93
HD 00 L		D09E1		1-02 *		8										93
HD 00 L				1						0	0	0	0	0-7/8 1400000000		93
HD 01 L		A14D2		1-01 *		8		1	1					N 9-1/8		94
HD 01 L		D09H2		1-02 *		8										94
HD 01 L				1						0	0	0	0	9-1/8 1400000000		94
HD 02 L		A14D1		1-01 *		8		1	1					N 0-7/8		95
HD 02 L		D09F2		1-02 *		8										95
HD 02 L				1						0	0	0	0	0-7/8 1400000000		95
HD LD SERVO H		A16T2		1-01 *		8		2	2					N 1-7/8		96
HD LD SERVO H		J14B1		1-02 *		8		1	1					N 4-5/8		96
HD LD SERVO H		C16B2		1-03 *		8										96
HD LD SERVO H				1						0	0	0	0	6-4/8 1400000000		96
HEAD LD 01		C09P2		1-01 *		8		1	1					N 3-3/8		97
HEAD LD 01		C15R2		1-02 *		8										97
HEAD LD 01				1						0	0	0	0	3-3/8 1400000000		97

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:30		PAGE 12		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS		
HEAD LD 02		A15U2		1-01 *		8		1	1					N 6		98
HEAD LD 02		C09R2		1-02 *		8										98
HEAD LD 02				1						0	0	0	0	6-0/8 1400000000		98
HEAD LD COMMON		C09B2		1-01 *		8		1	1					N 3-2/8		99
HEAD LD COMMON		C15V1		1-02 *		8										99
HEAD LD COMMON				1						0	0	0	0	3-2/8 1400000000		99
HIGH HYSTERESIS L		B16T2		1-01 *		8		1	1					N 1-6/8		100
HIGH HYSTERESIS L		C14B1		1-02 *		8										100
HIGH HYSTERESIS L				1						0	0	0	0	1-6/8 1400000000		100
HOME H		B14K1		1-01 *		8		1	1					N 4-5/8		101
HOME H		D13A1		1-02 *		8		2	2					N 3-4/8		101
HOME H		B11V1		1-03 *		8		1	1					N 0-6/8		101
HOME H		B10V1		1-04 *		8										101
HOME H				1						0	0	0	0	0-7/8 1400000000		101
HOME L		C09N2		1-01 *		8		1	2					N 3-1/8		102
HOME L		C14B2		1-02 *		8		2	1					N 4		102
HOME L		D15K2		1-03 *		8		1	2					N 1-6/8		102
HOME L		D13U2		1-04 *		8										102
HOME L				1						0	0	0	0	0-7/8 1400000000		102
HOME LOCK RELEASE L		C09H2		1-01 *	K	8		1	1					4-2/8		103
HOME LOCK RELEASE L		D13T2		1-02 *		8										103
HOME LOCK RELEASE L				1						0	0	0	0	4-2/8 1400000000		103
HOME*CLR ERR L		C13K1		1-01 *		8		1	1					N 3-1/8		104
HOME*CLR ERR L		D15J1		1-02 *		8										104
HOME*CLR FRP L				1						0	0	0	0	3-1/8 1400000000		104
ILF H		C10C1		1-01 *		8		1	2					N 0-6/8		105
ILF H		C11C1		1-02 *		8		2	1					N 2-5/8		105
ILF H		C13V2		1-03 *		8										105
ILF H				1						0	0	0	0	3-3/8 1400000000		105
IND/SEC SIGA	H	J00134		1-01 *	H	8	219	1		-TMP				4-2/8		106
IND/SEC SIGA	H	D11H2		1-02 *	H	8	219	2		-TMP				2-5/8		106
IND/SEC SIGA	H	J00234		1-03 *	T	8	T 219			-TMP						106
IND/SEC SIGA	H			1						0	0	0	0	6-7/8 1400000000		106
IND/SEC SIGA	L	J00133		1-01 *	D	8	219	1		+TMP				4-7/8		107
IND/SEC SIGA	L	C11T2		1-02 *	D	8	219	2		+TMP				3-4/8		107
IND/SEC SIGA	L	J00233		1-03 *	T	8	T 219			+TMP						107
IND/SEC SIGA	L			1						0	0	0	0	0-3/8 1400000000		107
IND/SEC SIGB	H	J00334		1-01 *	H	8	219	1		-TMP				4-4/8		108
IND/SEC SIGB	H	D10H2		1-02 *	H	8	219	2		-TMP				2-7/8		108
IND/SEC SIGB	H	J00434		1-03 *	T	8	T 219			-TMP						108
IND/SEC SIGB	H			1						0	0	0	0	7-3/8 1400000000		108

RK06 SINGLE PORT.J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10138		PAGE 13		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	DAY - ORDER	Q	DRAW OPT	MODULE FLAG	TYPE Z	C	LOADING HIGH	LOW	AC	EXTRA	NC FLAG	LENGTH EXCEPTIONS	
IND/SEC SIGB	L	J00333		1-01 *	D	8	219	1		+TWP					5-1/8	109
IND/SEC SIGB	L	C10T2		1-02 *	D	8	219	2		+TWP					3-6/8	109
IND/SEC SIGB	L	J00433		1-03 *	T	8	T 219			-TWP						109
IND/SEC SIGB	L			1						0	0	0	0		8-7/8 1400000000	109
INDEX SECTOR H		B13F2		1-01 *		8		2	1					N	4-3/8	110
INDEX SECTOR H		C11V2		1-02 *		8		1	2					N	0-6/8	110
INDEX SECTOR H		C10V2		1-03 *		8										110
INDEX SECTOR H				1						0	0	0	0		5-1/8 1400000000	110
INIT SIGA	H	J00136		1-01 *	H	8	219	1		-TWP					4-2/8	111
INIT SIGA	H	D11P2		1-02 *	H	8	219	2		-TWP					2-5/8	111
INIT SIGA	H	J00236		1-03 *	T	8	T 219			-TWP						111
INIT SIGA	H			1						0	0	0	0		6-7/8 1400000000	111
INIT SIGA	L	J00135		1-01 *	D	8	219	1		+TWP					4-4/8	112
INIT SIGA	L	D11R2		1-02 *	D	8	219	2		+TWP					2-7/8	112
INIT SIGA	L	J00235		1-03 *	T	8	T 219			+TWP						112
INIT SIGA	L			1						0	0	0	0		7-3/8 1400000000	112
INIT SIGB	H	J00336		1-01 *	H	8	219	1		-TWP					4-4/8	113
INIT SIGB	H	D10P2		1-02 *	H	8	219	2		-TWP					3	113
INIT SIGB	H	J00436		1-03 *	T	8	T 219			-TWP						113
INIT SIGB	H			1						0	0	0	0		7-4/8 1400000000	113
INIT SIGB	L	J00335		1-01 *	D	8	219	1		+TWP					4-6/8	114
INIT SIGB	L	D10R2		1-02 *	D	8	219	2		+TWP					3-2/8	114
INIT SIGB	L	J00435		1-03 *	T	8	T 219			+TWP						114
INIT SIGB	L			1						0	0	0	0		8-0/8 1400000000	114
INNER LIMIT H		B14U1		1-01 *		8		1	1					N	3-6/8	115
INNER LIMIT H		D15B1		1-02 *		8										115
INNER LIMIT H				1						0	0	0	0		3-6/8 1400000000	115
INNER LIMIT L		C15V2		1-01 *		8		1	1					N	3-5/8	116
INNER LIMIT L		B14N1		1-02 *		8										116
INNER LIMIT L				1						0	0	0	0		3-5/8 1400000000	116
INP SEEK COMM L		C13B1		1-01 *		8		1	1					N	3	117
INP SEEK COMM L		D14A1		1-02 *		8										117
INP SEEK COMM L				1						0	0	0	0		3-0/8 1400000000	117
INP WRT GATE L		A11V2		1-01 *		8		1	1					N	0-6/8	118
INP WRT GATE L		A10V2		1-02 *		8		2	2					N	0-4/8	118
INP WRT GATE L		D14V1		1-03 *		8		1	1					N	5-2/8	118
INP WRT GATE L		C13A1		1-04 *		8										118
INP WRT GATE L				1						0	0	0	0		14-4/8 1400000000	118
INVALID ADDRESS H		B10N1		1-01 *		8		1	1					N	0-6/8	119
INVALID ADDRESS H		B11N1		1-02 *		8		2	2					N	1-2/8	119
INVALID ADDRESS H		B13B1		1-03 *		8										119
INVALID ADDRESS H				1						0	0	0	0		2-0/8 1400000000	119

RK06 SINGLE PORT.J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10138		PAGE 14		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	DAY - ORDER	Q	DRAW OPT	MODULE FLAG	TYPE Z	C	LOADING HIGH	LOW	AC	EXTRA	NC FLAG	LENGTH EXCEPTIONS	
LD HDS H		B14D2		1-01 *		8		1	1					N	5-7/8	120
LD HDS H		D15H2		1-02 *		8		2	2					N	2-1/8	120
LD HDS H		D13U1		1-03 *		8										120
LD HDS H				1						0	0	0	0		8-0/8 1400000000	120
LD HDS L		A14P2		1-01 *		8		1	1					N	2-7/8	121
LD HDS L		B16L2		1-02 *		8				0	0	0	0		2-7/8 1400000000	121
LD HDS L				1						0	0	0	0			121
LD HDS+UNLD HDS+RTZ L		B13T2		1-01 *		8		1	1					N	3	122
LD HDS+UNLD HDS+RTZ L		C14U2		1-02 *		8		2	2					N	2-4/8	122
LD HDS+UNLD HDS+RTZ L		D15N2		1-03 *		8										122
LD HDS+UNLD HDS+RTZ L				1						0	0	0	0		5-4/8 1400000000	122
LID LOCKED H		B14L1		1-01 *		8		1	1					N	5	123
LID LOCKED H		D13E2		1-02 *		8										123
LID LOCKED H				1						0	0	0	0		5-0/8 1400000000	123
LID LOCKED L		B09F2		1-01 *		8		1	1					N	6-3/8	124
LID LOCKED L		D13L2		1-02 *		8										124
LID LOCKED L				1						0	0	0	0		6-3/8 1400000000	124
LID LOCKED SOL L		B09E1		1-01 *		8		1	1					N	5-4/8	125
LID LOCKED SOL L		D13L1		1-02 *		8										125
LID LOCKED SOL L				1						0	0	0	0		6-4/8 1400000000	125
LIM H		B13U2		1-01 *		8		2	1					N	1-4/8	126
LIM H		C15D1		1-02 *		8		1	2					N	4-6/8	126
LIM H		A14N1		1-03 *		8										126
LIM H				1						0	0	0	0		6-2/8 1400000000	126
LIM L		C13E1		1-01 *		8		1	1					N	1-5/8	127
LIM L		C15H2		1-02 *		8										127
LIM L				1						0	0	0	0		1-5/8 1400000000	127
MESS A PAR H		A14F1		1-01 *		8		2	1					N	2-2/8	128
MESS A PAR H		A10N2		1-02 *		8		1	2					N	0-6/8	128
MESS A PAR H		A11N2		1-03 *		8										128
MESS A PAR H				1						0	0	0	0		3-0/8 1400000000	128
MESS B PAR H		A10B2		1-01 *		8		1	1					N	0-6/8	129
MESS B PAR H		A11B2		1-02 *		8		2	2					N	1-2/8	129
MESS B PAR H		A13M1		1-03 *		8		1	1					N	4-6/8	129
MESS B PAR H		C14D1		1-04 *		8										129
MESS B PAR H				1						0	0	0	0		6-6/8 1400000000	129
MESS LINE A SIGA	H	J00106		1-01 *	H	8	219	1		-TWP					6	130
MESS LINE A SIGA	H	E11J2		1-02 *	H	8	219	2		-TWP					5	130
MESS LINE A SIGA	H	J00206		1-03 *	T	8	T 219			-TWP						130
MESS LINE A SIGA	H			1						0	0	0	0		11-0/8 1400000000	130
MESS LINE A SIGA	L	J00105		1-01 *	D	8	219	1		+TWP					0	131
MESS LINE A SIGA	L	A11K2		1-02 *	D	8	219	2		+TWP					7-3/8	131
MESS LINE A SIGA	L	J00205		1-03 *	T	8	T 219			+TWP						131
MESS LINE A SIGA	L			1						0	0	0	0		18-3/8 1400000000	131

RK06 SINGLE PORT,J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10130		PAGE 15		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS	NUMBER	
MESS LINE A SIGB	H	J00306		1-01 * H		S	219	1		-TWP				6-2/0		132
MESS LINE A SIGB	H	B10J2		1-02 * H		S	219	2		-TWP				5-1/0		132
MESS LINE A SIGB	H	J00406		1-03 * T		S	T 219			-TWP						132
MESS LINE A SIGB	H			1						0	0	0	0	11-3/0 1400000000		132
MESS LINE A SIGB	L	J00305		1-01 * D		S	219	1		+TWP				8-2/0		133
MESS LINE A SIGB	L	A10K2		1-02 * D		S	219	2		+TWP				7-4/0		133
MESS LINE A SIGB	L	J00405		1-03 * T		S	T 219			+TWP						133
MESS LINE A SIGB	L			1						0	0	0	0	15-6/0 1400000000		133
MESS LINE B SIGA	H	J00112		1-01 * H		S	219	1		-TWP				5-7/0		134
MESS LINE B SIGA	H	B11K1		1-02 * H		S	219	2		-TWP				5		134
MESS LINE B SIGA	H	J00212		1-03 * T		S	T 219			-TWP						134
MESS LINE B SIGA	H			1						0	0	0	0	10-7/0 1400000000		134
MESS LINE B SIGA	L	J00111		1-01 * D		S	219	1		+TWP				7-6/0		135
MESS LINE B SIGA	L	A11R1		1-02 * D		S	219	2		+TWP				7		135
MESS LINE B SIGA	L	J00211		1-03 * T		S	T 219			+TWP						135
MESS LINE B SIGA	L			1						0	0	0	0	14-6/0 1400000000		135
MESS LINE B SIGB	H	J00312		1-01 * H		S	219	1		-TWP				6		136
MESS LINE B SIGB	H	B10K1		1-02 * H		S	219	2		-TWP				5-1/0		136
MESS LINE B SIGB	H	J00412		1-03 * T		S	T 219			-TWP						136
MESS LINE B SIGB	H			1						0	0	0	0	11-1/0 1400000000		136
MESS LINE B SIGB	L	J00311		1-01 * D		S	219	1		+TWP				7-7/0		137
MESS LINE B SIGB	L	A10R1		1-02 * D		S	219	2		+TWP				7-1/0		137
MESS LINE B SIGB	L	J00411		1-03 * T		S	T 219			+TWP						137
MESS LINE B SIGB	L			1						0	0	0	0	15-0/0 1400000000		137
MOVE H		B13P2		1-01 *		S		1	2					N 0-7/0		138
MOVE H		B14S2		1-02 *		S		2	1					N 4		138
MOVE H		D15C1		1-03 *		S										138
MOVE H				1						0	0	0	0	4-7/0 1400000000		138
MOVE L		C13C1		1-01 *		S		1	1					N 5		139
MOVE L		D14V2		1-02 *		S										139
MOVE L				1						0	0	0	0	5-0/0 1400000000		139
MULT DR SEL H		B13H2		1-01 *		S		2	1					N 1-4/0		140
MULT DR SEL H		B11P2		1-02 *		S		1	2					N 0-6/0		140
MULT DR SEL H		B10P2		1-03 *		S										140
MULT DR SEL H				1						0	0	0	0	2-2/0 1400000000		140
MULT DRI SEL SIGA	H	J00130		1-01 * H		S	219	1		-TWP				4-3/0		141
MULT DRI SEL SIGA	H	D11T2		1-02 * H		S	219	2		-TWP				2-7/0		141
MULT DRI SEL SIGA	H	J00230		1-03 * T		S	T 219			-TWP						141
MULT DRI SEL SIGA	H			1						0	0	0	0	7-2/0 1400000000		141
MULT DRI SEL SIGA	L	J00137		1-01 * D		S	219	1		+TWP				4-3/0		142
MULT DRI SEL SIGA	L	D11U2		1-02 * D		S	219	2		+TWP				2-7/0		142
MULT DRI SEL SIGA	L	J00237		1-03 * T		S	T 219			+TWP						142
MULT DRI SEL SIGA	L			1						0	0	0	0	7-2/0 1400000000		142

RK06 SINGLE PORT,J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10130		PAGE 16		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS	NUMBER	
MULT DRI SEL SIGB	H	J00337		1-01 * H		S	219	1		-TWP				4-6/0		143
MULT DRI SEL SIGB	H	D10U2		1-02 * H		S	219	2		-TWP				3-1/0		143
MULT DRI SEL SIGB	H	J00437		1-03 * T		S	T 219			-TWP						143
MULT DRI SEL SIGB	H			1						0	0	0	0	7-7/0 1400000000		143
MULT DRI SEL SIGB	L	J00330		1-01 * D		S	219	1		+TWP				4-6/0		144
MULT DRI SEL SIGB	L	D10T2		1-02 * D		S	219	2		+TWP				3-1/0		144
MULT DRI SEL SIGB	L	J00430		1-03 * T		S	T 219			+TWP						144
MULT DRI SEL SIGB	L			1						0	0	0	0	7-7/0 1400000000		144
MUX A1 L		A10C1		1-01 *		S		1	2					N 0-6/0		145
MUX A1 L		A11C1		1-02 *		S		2	1					N 4-1/0		145
MUX A1 L		B14J2		1-03 *		S										145
MUX A1 L				1						0	0	0	0	4-7/0 1400000000		145
MUX A2 L		A10E1		1-01 *		S		1	2					N 0-6/0		146
MUX A2 L		A11E1		1-02 *		S		2	1					N 5		146
MUX A2 L		B14V1		1-03 *		S										146
MUX A2 L				1						0	0	0	0	5-6/0 1400000000		146
MUX A3 L		A10D1		1-01 *		S		1	2					N 0-6/0		147
MUX A3 L		A11D1		1-02 *		S		2	1					N 2-5/0		147
MUX A3 L		A14U2		1-03 *		S										147
MUX A3 L				1						0	0	0	0	3-3/0 1400000000		147
MUX B1 L		A10H1		1-01 *		S		1	2					N 0-6/0		148
MUX B1 L		A11H1		1-02 *		S		2	1					N 1-4/0		148
MUX B1 L		A13L1		1-03 *		S										148
MUX B1 L				1						0	0	0	0	2-2/0 1400000000		148
MUX B2 L		A10J2		1-01 *		S		1	2					N 0-6/0		149
MUX B2 L		A11J2		1-02 *		S		2	1					N 6		149
MUX B2 L		C14L2		1-03 *		S										149
MUX B2 L				1						0	0	0	0	6-6/0 1400000000		149
MUX B3 L		A10J1		1-01 *		S		1	2					N 0-6/0		150
MUX B3 L		A11J1		1-02 *		S		2	1					N 1-7/0		150
MUX B3 L		A14K2		1-03 *		S										150
MUX B3 L				1						0	0	0	0	2-3/0 1400000000		150
NEG TE L		B16V1		1-01 *		S		1	I					N 4-6/0		151
NEG TE L		D15M1		1-02 *		S			I							151
NEG TE L				1						0	0	0	0	4-6/0 1400000000		151
ODD TRK FOLLOW L		B14F1		1-01 *		S		1	1					N 1-3/0		152
ODD TRK FOLLOW L		B15N2		1-02 *		S										152
ODD TRK FOLLOW L				1						0	0	0	0	1-3/0 1400000000		152
OFFSET CL L		C13M1		1-01 *		S		1	1					N 3-7/0		153
OFFSET CL L		D14U2		1-02 *		S										153
OFFSET CL L				1						0	0	0	0	3-7/0 1400000000		153
OFFSET COMM L		C13M2		1-01 *		S		1	1					N 3-0/0		154
OFFSET COMM L		D14U1		1-02 *		S										154
OFFSET COMM L				1						0	0	0	0	3-6/0 1400000000		154

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77								10-Oct-77		10130		PAGE 17		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	DAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS			NUMBER
OFFSET FWD L		B15U1		1-01 *		S		1	1					N	2-7/8			155
OFFSET FWD L		C14U1		1-02 *		S												155
OFFSET FWD L				1						0	0	0	0		2-7/8 1400000000			155
OFFSET H		D15L1		1-01 *		S		2	2					N	3-5/8			156
OFFSET H		C10N2		1-02 *		S		1	1					N	0-6/8			156
OFFSET H		C11N2		1-03 *		S		2	2					N	3-7/8			156
OFFSET H		D14T2		1-04 *		S												156
OFFSET H				1						0	0	0	0		0-2/8 1400000000			156
OFFSET L		C15J2		1-01 *		S		1	1					N	4			157
OFFSET L		D14S2		1-02 *		S												157
OFFSET L				1						0	0	0	0		4-0/8 1400000000			157
OFFSET REV L		B15V1		1-01 *		S		1	1					N	2-4/8			158
OFFSET REV L		C14S1		1-02 *		S												158
OFFSET REV L				1						0	0	0	0		2-4/8 1400000000			158
ONE TRK H		A14B1		1-01 *		S		1	1					N	4			159
ONE TRK H		B13L2		1-02 *		S		2	2					N	4-4/8			159
ONE TRK H		D15A1		1-03 *		S												159
ONE TRK H				1						0	0	0	0		0-4/8 1400000000			159
OUTER LIMIT H		B14R1		1-01 *		S		1	1					N	4-4/8			160
OUTER LIMIT H		D15E2		1-02 *		S												160
OUTER LIMIT H				1						0	0	0	0		4-4/8 1400000000			160
OUTER LIMIT L		B14T2		1-01 *		S		1	1					N	4			161
OUTER LIMIT L		D15D1		1-02 *		S												161
OUTER LIMIT L				1						0	0	0	0		4-0/8 1400000000			161
PAR ERR L		B13R2		1-01 *		S		2	1					N	1-7/8			162
PAR ERR L		B10L2		1-02 *		S		1	2					N	0-6/8			162
PAR ERR L		B11L2		1-03 *		S												162
PAR ERR L				1						0	0	0	0		2-5/8 1400000000			162
PIP H		C10F2		1-01 *		S		1	1					N	0-6/8			163
PIP H		C11F2		1-02 *		S		2	2					N	1-3/8			163
PIP H		C13P1		1-03 *		S		1	1					N	3-3/8			163
PIP H		D15P2		1-04 *		S												163
PIP H				1						0	0	0	0		5-4/8 1400000000			163
PIP L		C13N2		1-01 *		S		1	1					N	2-7/8			164
PIP L		D14M1		1-02 *		S												164
PIP L				1						0	0	0	0		2-7/8 1400000000			164
PLO ERR L		A16L2				S									1-PIN RUN			165
POLL0 SIGA	H	J00120		1-01 *	H	S	219	1		-TWP					4-6/8			166
POLL0 SIGA	H	C11K1		1-02 *	H	S	219	2		-TWP					3-4/8			166
POLL0 SIGA	H	J00220		1-03 *	T	S	T 219			-TWP								166
POLL0 SIGA	H			1						0	0	0	0		0-2/8 1400000000			166

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77								10-Oct-77		10130		PAGE 18		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	DAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS			NUMBER
POLL0 SIGA	L	J00127		1-01 *	D	S	219	1		+TWP				5				167
POLL0 SIGA	L	C11H1		1-02 *	D	S	219	2		+TWP				3-6/8				167
POLL0 SIGA	L	J00227		1-03 *	T	S	T 219			+TWP								167
POLL0 SIGA	L			1						0	0	0	0		0-6/8 1400000000			167
POLL0 SIGB	H	J00320		1-01 *	H	S	219	1		-TWP				5				168
POLL0 SIGB	H	C10K1		1-02 *	H	S	219	2		-TWP				3-6/8				168
POLL0 SIGB	H	J00420		1-03 *	T	S	T 219			-TWP								168
POLL0 SIGB	H			1						0	0	0	0		0-6/8 1400000000			168
POLL0 SIGB	L	J00327		1-01 *	D	S	219	1		+TWP				5-2/8				169
POLL0 SIGB	L	C10H1		1-02 *	D	S	219	2		+TWP								169
POLL0 SIGB	L	J00427		1-03 *	T	S	T 219			+TWP								169
POLL0 SIGB	L			1						0	0	0	0		9-2/8 1400000000			169
POLL1 SIGA	H	J00126		1-01 *	H	S	219	1		-TWP				6-1/8				170
POLL1 SIGA	H	B11M1		1-02 *	H	S	219	2		-TWP				5-3/8				170
POLL1 SIGA	H	J00226		1-03 *	T	S	T 219			-TWP								170
POLL1 SIGA	H			1						0	0	0	0		11-4/8 1400000000			170
POLL1 SIGA	L	J00125		1-01 *	D	S	219	1		+TWP				6-3/8				171
POLL1 SIGA	L	B11L1		1-02 *	D	S	219	2		+TWP				5-4/8				171
POLL1 SIGA	L	J00225		1-03 *	T	S	T 219			+TWP								171
POLL1 SIGA	L			1						0	0	0	0		11-7/8 1400000000			171
POLL1 SIGB	H	J00326		1-01 *	H	S	219	1		-TWP				6-3/8				172
POLL1 SIGB	H	B10M1		1-02 *	H	S	219	2		-TWP				5-4/8				172
POLL1 SIGB	H	J00426		1-03 *	T	S	T 219			-TWP								172
POLL1 SIGB	H			1						0	0	0	0		11-7/8 1400000000			172
POLL1 SIGB	L	J00325		1-01 *	D	S	219	1		+TWP				6-5/8				173
POLL1 SIGB	L	B10L1		1-02 *	D	S	219	2		+TWP				5-6/8				173
POLL1 SIGB	L	J00425		1-03 *	T	S	T 219			+TWP								173
POLL1 SIGB	L			1						0	0	0	0		12-3/8 1400000000			173
POLL2 SIGA	H	J00124		1-01 *	H	S	219	1		-TWP				7-6/8				174
POLL2 SIGA	H	A11V1		1-02 *	H	S	219	2		-TWP				7				174
POLL2 SIGA	H	J00224		1-03 *	T	S	T 219			-TWP								174
POLL2 SIGA	H			1						0	0	0	0		14-6/8 1400000000			174
POLL2 SIGA	L	J00123		1-01 *	D	S	219	1		+TWP				7-7/8				175
POLL2 SIGA	L	A11U1		1-02 *	D	S	219	2		+TWP				7-1/8				175
POLL2 SIGA	L	J00223		1-03 *	T	S	T 219			+TWP								175
POLL2 SIGA	L			1						0	0	0	0		15-0/8 1400000000			175
POLL2 SIGB	H	J00324		1-01 *	H	S	219	1		-TWP				7-7/8				176
POLL2 SIGB	H	A10V1		1-02 *	H	S	219	2		-TWP				7-1/8				176
POLL2 SIGB	H	J00424		1-03 *	T	S	T 219			-TWP								176
POLL2 SIGB	H			1						0	0	0	0		15-0/8 1400000000			176
POLL2 SIGB	L	J00323		1-01 *	D	S	219	1		+TWP				8				177
POLL2 SIGB	L	A10U1		1-02 *	D	S	219	2		+TWP				7-2/8				177
POLL2 SIGB	L	J00423		1-03 *	T	S	T 219			+TWP								177
POLL2 SIGB	L			1						0	0	0	0		15-2/8 1400000000			177

RK06 SINGLE PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE FLAG	Z	C	10-Oct-77				10:30 NC LENGTH	PAGE 19 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA			
POLLED ATT SIGA	H	J00122		1-01 *	H	8	219	1		-TWP				4-3/8		178
POLLED ATT SIGA	H	C11P1		1-02 *	H	8	219	2		-TWP				3		178
POLLED ATT SIGA	H	J00222		1-03 *	T	8	T 219			-TWP						178
POLLED ATT SIGA	H			1					0	0	0	0		7-3/8	1400000000	178
POLLED ATT SIGA	L	J00121		1-01 *	D	8	219	1		+TWP				4-5/8		179
POLLED ATT SIGA	L	C11N1		1-02 *	D	8	219	2		+TWP				3-2/8		179
POLLED ATT SIGA	L	J00221		1-03 *	T	8	T 219			+TWP						179
POLLED ATT SIGA	L			1					0	0	0	0		7-7/8	1400000000	179
POLLED ATT SIGB	H	J00322		1-01 *	H	8	219	1		-TWP				4-5/8		180
POLLED ATT SIGB	H	C10P1		1-02 *	H	8	219	2		-TWP				3-2/8		180
POLLED ATT SIGB	H	J00422		1-03 *	T	8	T 219			-TWP						180
POLLED ATT SIGB	H			1					0	0	0	0		7-7/8	1400000000	180
POLLED ATT SIGB	L	J00321		1-01 *	D	8	219	1		+TWP				4-7/8		181
POLLED ATT SIGB	L	C10N1		1-02 *	D	8	219	2		+TWP				3-4/8		181
POLLED ATT SIGB	L	J00421		1-03 *	T	8	T 219			+TWP						181
POLLED ATT SIGB	L			1					0	0	0	0		8-3/8	1400000000	181
POLLED IND/SEC SIGA	H	J00110		1-01 *	H	8	219	1		-TWP				4-3/8		182
POLLED IND/SEC SIGA	H	D11U1		1-02 *	H	8	219	2		-TWP				3		182
POLLED IND/SEC SIGA	H	J00210		1-03 *	T	8	T 219			-TWP						182
POLLED IND/SEC SIGA	H			1					0	0	0	0		7-3/8	1400000000	182
POLLED IND/SEC SIGA	L	J00117		1-01 *	D	8	219	1		+TWP				4-2/8		183
POLLED IND/SEC SIGA	L	D11L1		1-02 *	D	8	219	2		+TWP				2-6/8		183
POLLED IND/SEC SIGA	L	J00217		1-03 *	T	8	T 219			+TWP						183
POLLED IND/SEC SIGA	L			1					0	0	0	0		7-0/8	1400000000	183
POLLED IND/SEC SIGB	H	J00310		1-01 *	H	8	219	1		-TWP				4-5/8		184
POLLED IND/SEC SIGB	H	D10U1		1-02 *	H	8	219	2		-TWP				3-2/8		184
POLLED IND/SEC SIGB	H	J00410		1-03 *	T	8	T 219			-TWP						184
POLLED IND/SEC SIGB	H			1					0	0	0	0		7-7/8	1400000000	184
POLLED IND/SEC SIGB	L	J00317		1-01 *	D	8	219	1		+TWP				4-5/8		185
POLLED IND/SEC SIGB	L	D10L1		1-02 *	D	8	219	2		+TWP				3		185
POLLED IND/SEC SIGB	L	J00417		1-03 *	T	8	T 219			+TWP						185
POLLED IND/SEC SIGB	L			1					0	0	0	0		7-5/8	1400000000	185
POS TE L		C16J2		1-01 *		8		1	I					N 3-2/8		186
POS TE L		D15K1		1-02 *		8			I							186
POS TE L				1						0	0	0	0	3-2/8	1400000000	186
PWR UP L		B11V2		1-01 *		8		1	2					N 0-6/8		187
PWR UP L		B10V2		1-02 *		8		2	1					N 4-7/8		187
PWR UP L		D13M1		1-03 *		8										187
PWR UP L				1						0	0	0	0	5-5/8	1400000000	187
QUAL L		A09M2		1-01 *		8		1	1					N 6		188
QUAL L		C13N1		1-02 *		8		2	2					N 2-1/8		188
QUAL L		C10B2		1-03 *		8		1	1					N 0-6/8		188
QUAL L		C11B2		1-04 *		8										188
QUAL L				1						0	0	0	0	8-7/8	1400000000	188

RK06 SINGLE PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE FLAG	Z	C	10-Oct-77				10:30 NC LENGTH	PAGE 20 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA			
RD DATA 01 L		A11F1		1-01 *		8		1	2					N 0-6/8		189
RD DATA 01 L		A10F1		1-02 *		8		2	1					N 7		189
RD DATA 01 L		C09U1		1-03 *		8										189
RD DATA 01 L				1						0	0	0	0	7-6/8	1400000000	189
RD DATA 02 L		A11E2		1-01 *		8		1	2					N 0-6/8		190
RD DATA 02 L		A10E2		1-02 *		8		2	1					N 7-1/8		190
RD DATA 02 L		C09U2		1-03 *		8										190
RD DATA 02 L				1						0	0	0	0	7-7/8	1400000000	190
RD/WR UNSAFE H		A14A1		1-01 *		8		2	1					N 3-3/8		191
RD/WR UNSAFE H		B1102		1-02 *		8		1	2					N 0-6/8		191
RD/WR UNSAFE H		B10B2		1-03 *		8		2	1					N 4-5/8		191
RD/WR UNSAFE H		C13B2		1-04 *		8										191
RD/WR UNSAFE H				1						0	0	0	0	0-6/8	1400000000	191
RD/WR UNSAFE L		B10B1		1-01 *		8		1	2					N 0-6/8		192
RD/WR UNSAFE L		B11B1		1-02 *		8		2	1					N 5-6/8		192
RD/WR UNSAFE L		D13B2		1-03 *		8										192
RD/WR UNSAFE L				1						0	0	0	0	6-4/8	1400000000	192
READ*0TRK L		C13B1		1-01 *		8		1	1					N 1-3/8		193
READ*0TRK L		C14H1		1-02 *		8										193
READ*0TRK L				1						0	0	0	0	1-3/8	1400000000	193
READ/WR DATA SIGA	H	J00102		1-01 *	H	8	219	1		-TWP				8		194
READ/WR DATA SIGA	H	A11M2		1-02 *	H	8	219	2		-TWP				7-3/8		194
READ/WR DATA SIGA	H	J00202		1-03 *	T	8	T 219			-TWP						194
READ/WR DATA SIGA	H			1						0	0	0	0	15-3/8	1400000000	194
READ/WR DATA SIGA	L	J00101		1-01 *	D	8	219	1		+TWP				0-2/8		195
READ/WR DATA SIGA	L	A11F2		1-02 *	D	8	219	2		+TWP				7-4/8		195
READ/WR DATA SIGA	L	J00201		1-03 *	T	8	T 219			+TWP						195
READ/WR DATA SIGA	L			1						0	0	0	0	15-6/8	1400000000	195
READ/WR DATA SIGB	H	J00302		1-01 *	H	8	219	1		-TWP				0-1/8		196
READ/WR DATA SIGB	H	A10H2		1-02 *	H	8	219	2		-TWP				7-4/8		196
READ/WR DATA SIGB	H	J00402		1-03 *	T	8	T 219			-TWP						196
READ/WR DATA SIGB	H			1						0	0	0	0	15-5/8	1400000000	196
READ/WR DATA SIGB	L	J00301		1-01 *	D	8	219	1		+TWP				0-3/8		197
READ/WR DATA SIGB	L	A10F2		1-02 *	D	8	219	2		+TWP				7-5/8		197
READ/WR DATA SIGB	L	J00401		1-03 *	T	8	T 219			+TWP						197
READ/WR DATA SIGB	L			1						0	0	0	0	16-0/8	1400000000	197
READY H		A09K2		1-01 *		8		1	2					N 6-3/8		198
READY H		C13P2		1-02 *		8		2	1					N 1-3/8		198
READY H		C11U2		1-03 *		8		1	2					N 0-6/8		198
READY H		C10U2		1-04 *		8										198
READY H				1						0	0	0	0	8-4/8	1400000000	198
REMOTE SENSE C		A15V1		1-01 *		8		1	1					N 4-6/8		199
REMOTE SENSE C		C09A1		1-02 *		8										199
REMOTE SENSE C				1						0	0	0	0	4-6/8	1400000000	199

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77								10-Oct-77		10:30		PAGE 21		
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE TYPE	Z	C	LOADING	LOW	AC	EXTRA	NC	LENGTH	EXCEPTIONS	RUN NUMBER	
						OPT	FLAG			HIGH								
REV H		B14E2		1-01 *		S		1	1					N	5-4/8		200	
REV H		D15E1		1-02 *		S											200	
REV H				1						0	0	0	0		5-4/8	1400000000	200	
RUN H		A11B2		1-01 *		S		1	1					N	0-6/8		201	
RUN H		A10B2		1-02 *		S		2	2					N	2-2/8		201	
RUN H		A09U2		1-03 *		S		1	1					N	0		201	
RUN H		D13P2		1-04 *		S											201	
RUN H				1						0	0	0	0		11-0/8	1400000000	201	
RUN SW L		A09L2		1-01 *		S		1	1					N	0-2/8		202	
RUN SW L		D13J2		1-02 *		S											202	
RUN SW L				1						0	0	0	0		0-2/8	1400000000	202	
RUN SW+HOME L		B10U1		1-01 *		S		1	2					N	0-6/8		203	
RUN SW+HOME L		B11U1		1-02 *		S		2	1					N	1-6/8		203	
RUN SW+HOME L		B13N2		1-03 *		S											203	
RUN SW+HOME L				1						0	0	0	0		2-4/8	1400000000	203	
SACK SIGA	H	J00116		1-01 *	H	S	219	1		-TWP					4-2/8		204	
SACK SIGA	H	D11E2		1-02 *	H	S	219	2		-TWP					2-5/8		204	
SACK SIGA	H	J00216		1-03 *	T	S	T 219			-TWP							204	
SACK SIGA	H			1						0	0	0	0		6-7/8	1400000000	204	
SACK SIGA	L	J00115		1-01 *	D	S	219	1		+TWP					4-4/8		205	
SACK SIGA	L	D11F2		1-02 *	D	S	219	2		+TWP					2-7/8		205	
SACK SIGA	L	J00215		1-03 *	T	S	T 219			+TWP							205	
SACK SIGA	L			1						0	0	0	0		7-3/8	1400000000	205	
SACK SIGB	H	J00316		1-01 *	H	S	219	1		-TWP					4-4/8		206	
SACK SIGB	H	D10E2		1-02 *	H	S	219	2		-TWP					3		206	
SACK SIGB	H	J00416		1-03 *	T	S	T 219			-TWP							206	
SACK SIGB	H			1						0	0	0	0		7-4/8	1400000000	206	
SACK SIGB	L	J00315		1-01 *	D	S	219	1		+TWP					4-6/8		207	
SACK SIGB	L	D10F2		1-02 *	D	S	219	2		+TWP					3-2/8		207	
SACK SIGB	L	J00415		1-03 *	T	S	T 219			+TWP							207	
SACK SIGB	L			1						0	0	0	0		0-0/8	1400000000	207	
SECT CT 00 H		A13U1		1-01 *		S		1	1					N	1-5/8		208	
SECT CT 00 H		A14J1		1-02 *		S											208	
SECT CT 00 H				1						0	0	0	0		1-5/8	1400000000	208	
SECT CT 01 H		A13M2		1-01 *		S		1	1					N	0-6/8		209	
SECT CT 01 H		A14M2		1-02 *		S											209	
SECT CT 01 H				1						0	0	0	0		0-6/8	1400000000	209	
SECT CT 02 H		A13L2		1-01 *		S		1	1					N	0-4/8		210	
SECT CT 02 H		A14L1		1-02 *		S											210	
SECT CT 02 H				1						0	0	0	0		0-4/8	1400000000	210	
SECT CT 03 H		A13R2		1-01 *		S		1	1					N	0-7/8		211	
SECT CT 03 H		A14N2		1-02 *		S											211	
SECT CT 03 H				1						0	0	0	0		0-7/8	1400000000	211	

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77								10-Oct-77		10:30		PAGE 22		
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE TYPE FLAG	Z	C C	LOADING HIGH	LOW	AC	EXTRA	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER	
SECT CT 04 H		A13C1		1-01 *		8		1	1					N	1-2/8		212	
SECT CT 04 H		A14F2		1-02 *		8											212	
SECT CT 04 H				1						0	0	0	0		1-2/8	1400000000	212	
SEEK COMM H		D13E1		1-01 *		8		1	1					N	0-7/8		213	
SEEK COMM H		D14C1		1-02 *		8											213	
SEEK COMM H				1						0	0	0	0		0-7/8	1400000000	213	
SEEK INC H		B13U1		1-01 *		8		2	1					N	1-6/8		214	
SEEK INC H		C11H2		1-02 *		8		1	2					N	0-6/8		214	
SEEK INC H		C10H2		1-03 *		8											214	
SEEK INC H				1						0	0	0	0		2-4/8	1400000000	214	
SERVO CLK H		A13P2		1-01 *		8		1	1					N	1-7/8		215	
SERVO CLK H		A16N2		1-02 *		8											215	
SERVO CLK H				1						0	0	0	0		1-7/8	1400000000	215	
SERVO CLK L		A16F1		1-01 *		8		1	1					N	3-1/8		216	
SERVO CLK L		B13C1		1-02 *		8											216	
SERVO CLK L				1						0	0	0	0		3-1/8	1400000000	216	
SERVO CLK/2 H		A13N2		1-01 *		8		1	1					N	2-6/8		217	
SERVO CLK/2 H		B16F2		1-02 *		8											217	
SERVO CLK/2 H				1						0	0	0	0		2-6/8	1400000000	217	
SERVO CLK/2 L		A16V2		1-01 *		8		1	1					N	2-3/8		218	
SERVO CLK/2 L		B13D1		1-02 *		8											218	
SERVO CLK/2 L				1						0	0	0	0		2-3/8	1400000000	218	
SERVO PULSE H		A16M2		1-01 *		8		1	2					N	2-6/8		219	
SERVO PULSE H		B13E2		1-02 *		8		2	1					V	4		219	
SERVO PULSE H		C16N2		1-03 *		8											219	
SERVO PULSE H				1						0	0	0	0		6-6/8	1400000000	219	
SERVO PULSE L		A16U2		1-01 *		8		1	1					N	4-2/8		220	
SERVO PULSE L		C16H2		1-02 *		8											220	
SERVO PULSE L				1						0	0	0	0		4-2/8	1400000000	220	
SERVO SIGNAL PRES H		A13K2		1-01 *		8		1	1					N	4		221	
SERVO SIGNAL PRES H		B16R2		1-02 *		8											221	
SERVO SIGNAL PRES H				1						0	0	0	0		4-0/8	1400000000	221	
SERVO SIGNAL PRES L		A13J1		1-01 *		8		1	1					N	4		222	
SERVO SIGNAL PRES L		B16P2		1-02 *		8											222	
SERVO SIGNAL PRES L				1						0	0	0	0		4-0/8	1400000000	222	
SERVO UNSAFE H		A13J2		1-01 *		8		1	1					N	6-1/8		223	
SERVO UNSAFE H		C15N2		1-02 *		8											223	
SERVO UNSAFE H				1						0	0	0	0		6-1/8	1400000000	223	
SERVO UNSAFE L		C15P2		1-01 *		8		1	1					N	3-3/8		224	
SERVO UNSAFE L		D13P1		1-02 *		8											224	
SERVO UNSAFE L				1						0	0	0	0		3-3/8	1400000000	224	

RK06 SINGLE PORT.J		VGWRAP 35(102)-1		03-JUN-77		10-Oct-77								10:30		PAGE 23		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	O	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS			NUMBER
SET DSC H		B10S2		1-01 *		S		1	2					N	0-6/8			225
SET DSC H		B11S2		1-02 *		S		2	1					N	1-4/8			225
SET DSC H		B13K2		1-03 *		S												225
SET DSC H				1						0	0	0	0		2-2/8 14000000000			225
SET HEAD FAULT L		B13E1		1-01 *		S		1	1					N	7-3/8			226
SET HEAD FAULT L		D09V1		1-02 *		S												226
SET HEAD FAULT L				1						0	0	0	0		7-3/8 14000000000			226
SET MULT HD SEL L		B13D2		1-01 *		S		1	1					N	6-5/8			227
SET MULT HD SEL L		D09L2		1-02 *		S												227
SET MULT HD SEL L				1						0	0	0	0		6-5/8 14000000000			227
SET SERVO SIGNAL ERR L		A13S1		1-01 *		S		1	1					N	3-4/8			228
SET SERVO SIGNAL ERR L		B10S2		1-02 *		S												228
SET SERVO SIGNAL ERR L				1						0	0	0	0		3-4/8 14000000000			228
SET WR CURR+NOWRGATE L		A13U2		1-01 *		S		1	1					N	7-7/8			229
SET WR CURR+NOWRGATE L		D09M2		1-02 *		S												229
SET WR CURR+NOWRGATE L				1						0	0	0	0		7-7/8 14000000000			229
SET WR GATE+NO TRANS L		A13V2		1-01 *		S		1	1					N	7-4/8			230
SET WR GATE+NO TRANS L		D09K2		1-02 *		S												230
SET WR GATE+NO TRANS L				1						0	0	0	0		7-4/8 14000000000			230
SETTING L		B14U2		1-01 *		S		1	1					N	1-6/8			231
SETTING L		C13J2		1-02 *		S												231
SETTING L				1						0	0	0	0		1-6/8 14000000000			231
SHORT SEEK L		A14B2		1-01 *		S		1	I					N	1-4/8			232
SHORT SEEK L		A15M2		1-02 *		S			I									232
SHORT SEEK L				1						0	0	0	0		1-4/8 14000000000			232
SPEED LED CATHODE		B09B1		1-01 *		S		1	1					N	2-4/8			233
SPEED LED CATHODE		B13B2		1-02 *		S												233
SPEED LED CATHODE				1						0	0	0	0		2-4/8 14000000000			233
SPEED LOSS H		B11P1		1-01 *		S		1	1					N	0-6/8			234
SPEED LOSS H		B10P1		1-02 *		S		2	2					N	1-6/8			234
SPEED LOSS H		B13P1		1-03 *		S												234
SPEED LOSS H				1						0	0	0	0		2-4/8 14000000000			234
SPEED OK H		B14W2		1-01 *		S		1	1					N	6-5/8			235
SPEED OK H		D13S2		1-02 *		S												235
SPEED OK H				1						0	0	0	0		6-5/8 14000000000			235
SPINDLE BRAKE L		C09B1		1-01 *	K	S		1	1						4-3/8			236
SPINDLE BRAKE L		D13J1		1-02 *		S												236
SPINDLE BRAKE L				1						0	0	0	0		4-3/8 14000000000			236
SPINDLE ON L		C09D1		1-01 *	K	S		1	1						4-7/8			237
SPINDLE ON L		D13R2		1-02 *		S												237
SPINDLE ON L				1						0	0	0	0		4-7/8 14000000000			237

RK06 SINGLE PORT.J		VGWRAP 35(102)-1		03-JUN-77		10-Oct-77								10:30		PAGE 24		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	O	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS			NUMBER
SPINDLE SPEED		B09C1		1-01 *		S		1	1					N	4-7/8			238
SPINDLE SPEED		C13R2		1-02 *		S												238
SPINDLE SPEED				1						0	0	0	0		4-7/8 14000000000			238
STAT ADD H		C14V1		1-01 *		S		2	1					N	3-5/8			239
STAT ADD H		B11S1		1-02 *		S		1	2					N	0-6/8			239
STAT ADD H		B10S1		1-03 *		S												239
STAT ADD H				1						0	0	0	0		4-3/8 14000000000			239
STAT ADD L		B10F2		1-01 *		S		1	2					N	4-3/8			240
STAT ADD L		C14R2		1-02 *		S		2	1					N	4-1/8			240
STAT ADD L		B11F2		1-03 *		S												240
STAT ADD L				1						0	0	0	0		0-4/8 14000000000			240
STOPPED LITE H		A09V2		1-01 *		S		1	1					N	4-3/8			241
STOPPED LITE H		C13D2		1-02 *		S												241
STOPPED LITE H				1						0	0	0	0		4-3/8 14000000000			241
STROBE MUX 01 L		A13D2		1-01 *		S		1	2					N	3-6/8			242
STROBE MUX 01 L		B14K2		1-02 *		S		2	1					N	5-5/8			242
STROBE MUX 01 L		D11M1		1-03 *		S		1	2					N	0-6/8			242
STROBE MUX 01 L		D10H1		1-04 *		S												242
STROBE MUX 01 L				1						0	0	0	0		10-1/8 14000000000			242
STROBE MUX 02 L		D10F1		1-01 *		S		1	1					N	0-6/8			243
STROBE MUX 02 L		D11F1		1-02 *		S		2	2					N	3			243
STROBE MUX 02 L		C14W2		1-03 *		S												243
STROBE MUX 02 L				1						0	0	0	0		3-6/8 14000000000			243
STROBE MUX 03 L		A14U1		1-01 *		S		2	1					N	6-5/8			244
STROBE MUX 03 L		D11S1		1-02 *		S		1	2					N	0-6/8			244
STROBE MUX 03 L		D10B1		1-03 *		S												244
STROBE MUX 03 L				1						0	0	0	0		7-3/8 14000000000			244
STROBE SIGA	H	J00110		1-01 *	H	S	219	1		-TNP					0-6/8			245
STROBE SIGA	H	A11D2		1-02 *	H	S	219	2		-TNP					0-1/8			245
STROBE SIGA	H	J00210		1-03 *	T	S	T 219			-TNP								245
STROBE SIGA	H			1						0	0	0	0		10-7/8 14000000000			245
STROBE SIGA	L	J00109		1-01 *	D	S	219	1		+TNP					6-2/8			246
STROBE SIGA	L	B11W2		1-02 *	D	S	219	2		+TNP					5-2/8			246
STROBE SIGA	L	J00209		1-03 *	T	S	T 219			+TNP								246
STROBE SIGA	L			1						0	0	0	0		11-4/8 14000000000			246
STROBE SIGB	H	J00310		1-01 *	M	S	219	1		-TNP					0-7/8			247
STROBE SIGB	H	A10D2		1-02 *	M	S	219	2		-TNP					0-2/8			247
STROBE SIGB	H	J00410		1-03 *	T	S	T 219			-TNP								247
STROBE SIGB	H			1						0	0	0	0		17-1/8 14000000000			247
STROBE SIGB	L	J00309		1-01 *	D	S	219	1		+TNP					6-3/8			248
STROBE SIGB	L	B10W2		1-02 *	D	S	219	2		+TNP					5-3/8			248
STROBE SIGB	L	J00409		1-03 *	T	S	T 219			+TNP								248
STROBE SIGB	L			1						0	0	0	0		11-6/8 14000000000			248

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:30		PAGE 25		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS	NUMBER	
SW EN A L		A09C1		1-01 *		8		1	2					N 1-7/8		249
SW FN A L		A11N1		1-02 *		8										249
SW EN A L				1						0	0	0	0	1-7/8 1400000000		249
SW EN B L		A09J2		1-01 *		8		1	1					N 0-7/8		250
SW EN B L		A10N1		1-02 *		8				0	0	0	0	0-7/8 1400000000		250
SW EN B L				1						0	0	0	0	0-7/8 1400000000		250
T03 L		D14D2		1-01 *		8		2	1					N 5-7/8		251
T03 L		B10E2		1-02 *		8		1	2					N 0-6/8		251
T03 L		B11E2		1-03 *		8				0	0	0	0	6-5/8 1400000000		251
T03 L				1						0	0	0	0	6-5/8 1400000000		251
T04 H		D10L2		1-01 *		8		1	2					N 2-3/8		252
T04 H		D14F2		1-02 *		8		2	1					N 1-7/8		252
T04 H		D11L2		1-03 *		8				0	0	0	0	4-2/8 1400000000		252
T04 H				1						0	0	0	0	4-2/8 1400000000		252
T05 H		D11M2		1-01 *		8		1	2					N 1-7/8		253
T05 H		D14N2		1-02 *		8		2	1					N 2-3/8		253
T05 H		D10M2		1-03 *		8				0	0	0	0	4-2/8 1400000000		253
T05 H				1						0	0	0	0	4-2/8 1400000000		253
T06 H		D11E1		1-01 *		8		1	2					N 1-7/8		254
T06 H		C13V1		1-02 *		8		2	1					N 2-2/8		254
T06 H		D10E1		1-03 *		8				0	0	0	0	4-1/8 1400000000		254
T06 H				1						0	0	0	0	4-1/8 1400000000		254
T07 L		D11V1		1-01 *		8		1	2					N 7-6/8		255
T07 L		B14B2		1-02 *		8		2	1					N 7-7/8		255
T07 L		D10V1		1-03 *		8				0	0	0	0	15-5/8 1400000000		255
T07 L				1						0	0	0	0	15-5/8 1400000000		255
T09 L		B11K2		1-01 *		8		1	2					N 3-3/8		256
T09 L		A13H1		1-02 *		8		2	1					N 3-4/8		256
T09 L		B10K2		1-03 *		8				0	0	0	0	6-7/8 1400000000		256
T09 L				1						0	0	0	0	6-7/8 1400000000		256
T10 H		D11K2		1-01 *		8		1	2					N 3-4/8		257
T10 H		C13H2		1-02 *		8		2	1					N 3-5/8		257
T10 H		D10K2		1-03 *		8				0	0	0	0	7-1/8 1400000000		257
T10 H				1						0	0	0	0	7-1/8 1400000000		257
T12 L		D11P1		1-01 *		8		1	2					N 3-1/8		258
T12 L		C14V2		1-02 *		8		2	1					N 3-4/8		258
T12 L		D10P1		1-03 *		8				0	0	0	0	6-5/8 1400000000		258
T12 L				1						0	0	0	0	6-5/8 1400000000		258
T13 L		B10T2		1-01 *		8		1	I					N 0-6/8		259
T13 L		B11T2		1-02 *		8		2	I					N 2-4/8		259
T13 L		C14M1		1-03 *		8			I	0	0	0	0	3-2/8 1400000000		259
T13 L				1						0	0	0	0	3-2/8 1400000000		259

RK06 SINGLE PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:30		PAGE 26		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS	NUMBER	
T14 H		A11B1		1-01 *		8		1	2					N 7-4/8		260
T14 H		C14T2		1-02 *		8		2	1					N 7-5/8		260
T14 H		A10B1		1-03 *		8				0	0	0	0	15-1/8 1400000000		260
T14 H				1						0	0	0	0	15-1/8 1400000000		260
T15 H		C13E2		1-01 *		8		1	1					N 4-4/8		261
T15 H		A11R2		1-02 *		8		2	2					N 5-5/8		261
T15 H		C14P2	C14R1	1-03 *		8		1	1					N 0-4/8		261
T15 H		C14R1		1-04 *		8		2	I					N 5-7/8		261
T15 H		A10R2		1-05 *		8				0	0	0	0	16-4/8 1400000000		261
T15 H				1						0	0	0	0	16-4/8 1400000000		261
T15 PEXT H		C14K1		1-01 *		8		1	1					N 2-3/8		262
T15 PEXT H		D13C1		1-02 *		8				0	0	0	0	2-3/8 1400000000		262
T15 PEXT H				1						0	0	0	0	2-3/8 1400000000		262
TRK CT L		C14P1		1-01 *		8		1	1					N 1-2/8		263
TRK CT L		C15K2		1-02 *		8				0	0	0	0	1-2/8 1400000000		263
TRK CT L				1						0	0	0	0	1-2/8 1400000000		263
TRK ERROR		B15R2		1-01 *		8		1	1					N 1-6/8		264
TRK ERROR		C16E2		1-02 *		8				0	0	0	0	1-6/8 1400000000		264
TRK ERROR				1						0	0	0	0	1-6/8 1400000000		264
U00 H		B14V2		1-01 *		8		2	1					N 3-3/8		265
U00 H		C11V1		1-02 *		8		1	2					N 0-6/8		265
U00 H		C10V1		1-03 *		8				0	0	0	0	4-1/8 1400000000		265
U00 H				1						0	0	0	0	4-1/8 1400000000		265
U00 L		A09R2		1-01 *		8		2	1					N 0-1/8		266
U00 L		D10N2		1-02 *		8		1	2					N 0-6/8		266
U00 L		D11N2		1-03 *		8				0	0	0	0	0-7/8 1400000000		266
U00 L				1						0	0	0	0	0-7/8 1400000000		266
U01 H		C14A1		1-01 *		8		2	1					N 2-4/8		267
U01 H		C11B2		1-02 *		8		1	2					N 0-6/8		267
U01 H		C10B2		1-03 *		8				0	0	0	0	3-2/8 1400000000		267
U01 H				1						0	0	0	0	3-2/8 1400000000		267
U01 L		A09B2		1-01 *		8		2	1					N 7-4/8		268
U01 L		D10J2		1-02 *		8		1	2					N 0-6/8		268
U01 L		D11J2		1-03 *		8				0	0	0	0	0-2/8 1400000000		268
U01 L				1						0	0	0	0	0-2/8 1400000000		268
U02 H		C14C1		1-01 *		8		2	1					N 2-1/8		269
U02 H		C11M1		1-02 *		8		1	2					N 0-6/8		269
U02 H		C10M1		1-03 *		8				0	0	0	0	2-7/8 1400000000		269
U02 H				1						0	0	0	0	2-7/8 1400000000		269
U02 L		A09P2		1-01 *		8		2	1					N 0-1/8		270
U02 L		D10N1		1-02 *		8		1	2					N 0-6/8		270
U02 L		D11N1		1-03 *		8				0	0	0	0	0-7/8 1400000000		270
U02 L				1						0	0	0	0	0-7/8 1400000000		270

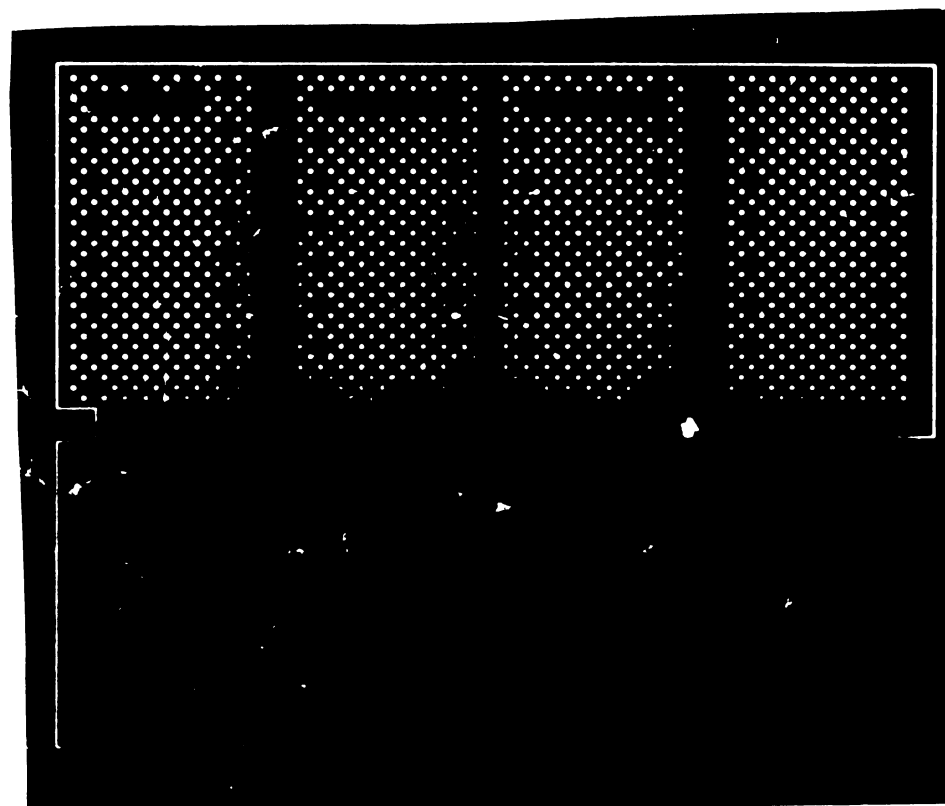
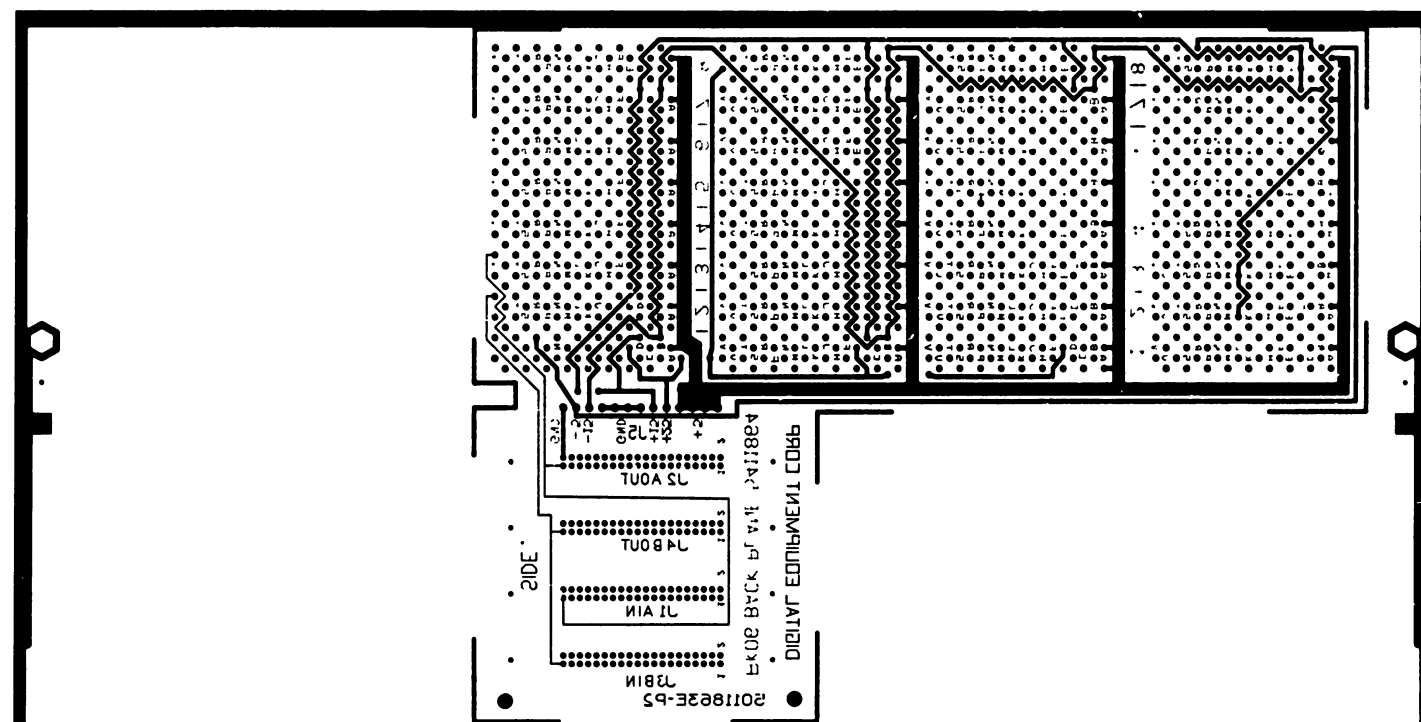
RK06 SINGLE PORT,J		VGNRAP 35(102)-1		03-JUN-77		10-Oct-77								10:38		PAGE 27		RUN NUMBER	
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDEP	Q	DRAW	MODULE OPT	TYPE FLAG	Z	C C	LOADING HIGH	LOW	AC	EXTRA	FLAG	NC LENGTH		EXCEPTIONS
UNLD	HDS H		D13H1		1-P1 *		S			1	1						N	4-6/8	271
UNLD	HDS H		B14F2		1-02 *		S			2	2						N	4-5/8	271
UNLD	HDS H		D15F2		1-03 *		S												271
UNLD	HDS H				1							0	0	0	0		9-3/8	14000000000	271
UNLD	HDS L		C14D2		1-01 *		S			1	1						N	3-1/8	272
UNLD	HDS L		D13D1		1-02 *		S					0	0	0	0		3-1/8	14000000000	272
UNLD	HDS L				1														272
VEL			B15M2		1-01 *		S			1	I						N	1-1/8	273
VEL			B16U1		1-02 *		S				I								273
VEL					1							0	0	0	0		1-1/8	14000000000	273
VOL	VAL H		B10D1		1-P1 *		S			1	1						N	0-6/8	274
VOL	VAL H		B11D1		1-02 *		S			2	2						N	6-7/8	274
VOL	VAL H		D14F1		1-03 *		S												274
VOL	VAL H				1							0	0	0	0		7-5/8	14000000000	274
VOL	VAL L		C13D1		1-01 *		S			2	2						N	3-1/8	275
VOL	VAL L		B10E1		1-02 *		S			1	1						N	0-6/8	275
VOL	VAL L		B11E1		1-03 *		S												275
VOL	VAL L				1							0	0	0	0		3-7/8	14000000000	275
WR	CLO SIGA	H	J00132		1-P1 *	H	S		219	1		-TWP					4-3/8		276
WR	CLO SIGA	H	D11D2		1-P2 *	H	S		219	2		-TWP					2-6/8		276
WR	CLO SIGA	H	J00232		1-03 *	T	S		T 219			-TWP							276
WR	CLO SIGA	H			1							0	0	0	0		7-1/8	14000000000	276
WR	CLO SIGA	L	J00131		1-01 *	D	S		219	1		+TWP					4-2/8		277
WR	CLO SIGA	L	D11D1		1-02 *	D	S		219	2		+TWP					2-5/8		277
WR	CLO SIGA	L	J00231		1-03 *	T	S		T 219			+TWP							277
WR	CLO SIGA	L			1							0	0	0	0		6-7/8	14000000000	277
WR	CLO SIGB	H	J00332		1-01 *	H	S		219	1		-TWP					4-5/8		278
WR	CLO SIGB	H	D10D2		1-02 *	H	S		219	2		-TWP					3-1/8		278
WR	CLO SIGB	H	J00432		1-03 *	T	S		T 219			-TWP							278
WR	CLO SIGB	H			1							0	0	0	0		7-6/8	14000000000	278
WR	CLO SIGB	L	J00331		1-01 *	D	S		219	1		+TWP					4-4/8		279
WR	CLO SIGB	L	D10J1		1-02 *	D	S		219	2		+TWP					3		279
WR	CLO SIGB	L	J00431		1-03 *	T	S		T 219			+TWP							279
WR	CLO SIGB	L			1							0	0	0	0		7-4/8	14000000000	279
WR	CLOCK H		A16F2		1-01 *		S			2	1						N	0-2/8	280
WR	CLOCK H		D11B2		1-02 *		S			1	2						N	0-6/8	280
WR	CLOCK H		D10B2		1-03 *		S												280
WR	CLOCK H				1							0	0	0	0		9-0/8	14000000000	280
WR	DATA L		A11L2		1-01 *		S			1	2						N	0-6/8	281
WR	DATA L		A10L2		1-02 *		S			2	1						N	9	281
WR	DATA L		D09B2		1-03 *		S												281
WR	DATA L				1							0	0	0	0		9-6/8	14000000000	281

RK06 SINGLE PORT,J		VGNRAP 35(102)-1		03-JUN-77		10-Oct-77								10:38		PAGE 28		RUN NUMBER	
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE OPT	TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	FLAG	NC LENGTH		EXCEPTIONS
WR GATE L			B11D2		1-P1 *			S		1	1						N	0-6/8	282
WR GATE L			B10D2		1-P2 *			S		2	2						N	7-2/8	282
WR GATE L			D09U2	C09V1	1-03 *			S		1	1						N	2-7/8	282
WR GATE L			C09V1		1-04 *			S											282
WR GATE L					1							0	0	0	0		10-7/8	1400000000	282
WR GATE SIGA		N	J00104		1-01 *	N		S	219	1		-TWP					7-2/8	283	
WR GATE SIGA		N	A11T2		1-02 *	N		S	219	2		-TWP					6-3/8	283	
WR GATE SIGA		N	J00204		1-03 *	T		S	T 219			-TWP						283	
WR GATE SIGA		N			1							0	0	0	0		13-5/8	1400000000	283
WR GATE SIGA		L	J00103		1-01 *	D		S	219	1		+TWP					7-1/8	284	
WR GATE SIGA		L	A11U2		1-02 *	D		S	219	2		+TWP					6-2/8	284	
WR GATE SIGA		L	J00203		1-03 *	T		S	T 219			+TWP						284	
WR GATE SIGA		L			1							0	0	0	0		13-3/8	1400000000	284
WR GATE SIGB		N	J00304		1-01 *	N		S	219	1		-TWP					7-3/8	285	
WR GATE SIGB		N	A10T2		1-02 *	N		S	219	2		-TWP					6-4/8	285	
WR GATE SIGB		N	J00404		1-03 *	T		S	T 219			-TWP						285	
WR GATE SIGB		N			1							0	0	0	0		13-7/8	1400000000	285
WR GATE SIGB		L	J00303		1-01 *	D		S	219	1		+TWP					7-2/8	286	
WR GATE SIGB		L	A10U2		1-02 *	D		S	219	2		+TWP					6-4/8	286	
WR GATE SIGB		L	J00403		1-03 *	T		S	T 219			+TWP						286	
WR GATE SIGB		L			1							0	0	0	0		13-6/8	1400000000	286
WR PROT SW L			A09W2		1-01 *			S		1	1						N	4-7/8	287
WR PROT SW L			B13V1		1-02 *			S		2	2						N	2-6/8	287
WR PROT SW L			C15B2		1-03 *			S										287	
WR PROT SW L					1							0	0	0	0		7-5/8	1400000000	287
WRL CHANGE L			C13F1		1-01 *			S		2	1						N	4-3/8	288
WRL CHANGE L			D11B1		1-02 *			S		1	2						N	0-6/8	288
WRL CHANGE L			D10B1		1-03 *			S										288	
WRL CHANGE L					1							0	0	0	0		5-1/8	1400000000	288
WRL ERR H			C10E1		1-P1 *			S		1	2						N	0-6/8	289
WRL ERR H			C11E1		1-02 *			S		2	1						N	1-6/8	289
WRL ERR H			C13L2		1-03 *			S										289	
WRL ERR H					1							0	0	0	0		2-4/8	1400000000	289
WRL H			A09W2		1-01 *			S		2	1						N	5-2/8	290
WRL H			C10L1		1-02 *			S		1	2						N	0-6/8	290
WRL H			C11L1		1-03 *			S		2	1						N	1-6/8	290
WRL H			C13T2		1-04 *			S										290	
WRL H					1							0	0	0	0		7-6/8	1400000000	290
WRL L			B10J1		1-P1 *			S		1	2						N	0-6/8	291
WRL L			911J1		1-02 *			S		2	1						N	0-4/8	291
WRL L			D13B1		1-03 *			S										291	
WRL L					1							0	0	0	0		7-2/8	1400000000	291
X LIM PA			C09L2		1-P1 *			S		1	1						N	3-1/8	292
X LIM PA			C15W2		1-02 *			S										292	
X LIM PA					1							0	0	0	0		3-1/8	1400000000	292

RK06 SINGLE PORT.J		VGWRAP 35(102)-1 03-JUN-77				10-Oct-77				10130		PAGE 29			
RUN NAME		A/P	PIN	ORDER	BAY -	Q	DRAW	MODULE TYPE	Z	C	LOADING	NC LENGTH		EXCEPTIONS	RUN
			NAME	PIN	ORDER			OPT		C	HIGH	LOW	AC EXTRA	FLAG	NUMBER
XDUCER LED CATHODE			C09H1		1-01 *		S		1	1				N 4-6/8	293
XDUCER LED CATHODE			D15J2		1-02 *		S								293
XDUCER LED CATHODE					1						0	0	0	0 4-6/8 1400000000	293

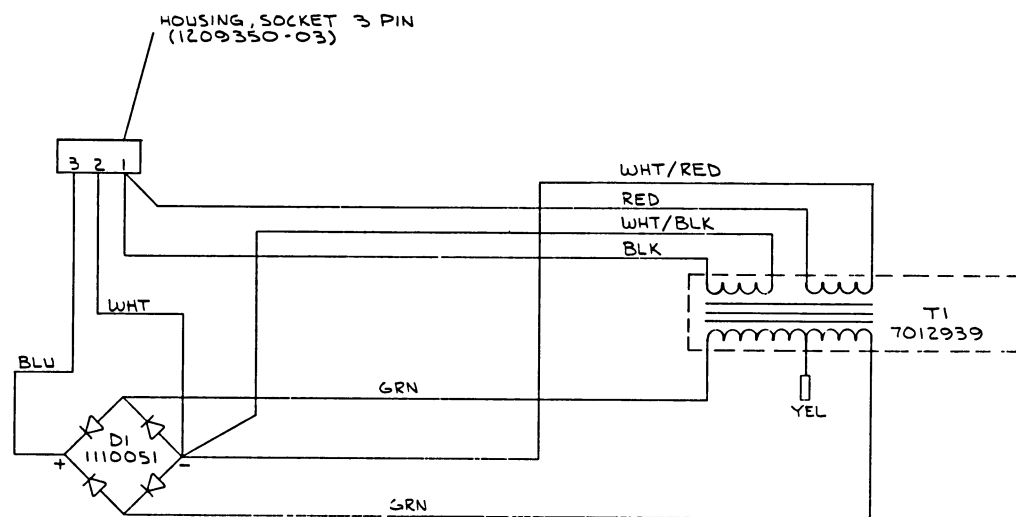
NO. ES _____

CHK	CHANGE NO	REV
50186A	50186A -	D
	00002	
	REVISED &	
	REDAWN	



DATE: 1/1/77	CHK: 1/1/77	ENG: 1/1/77	PROD: 1/1/77	PROJ: 1/1/77
RK06 BACK PLANE				
SIZE: 1/1	CODE: 1/1	NUMBER: 1/1	REV: 1/1	1/1
ETCH REV E FIRST USED ON RK06				

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DRN. <i>[Signature]</i>	30 Jan 76	FIRST USED ON	RK06 digital
CHK'D. <i>[Signature]</i>	7 Jan 76	TITLE	SPINDLE BRAKE ASSY
ENG. <i>[Signature]</i>	9 July 76	(CIRCUIT SCHEMATIC)	
PROJ. ENG. <i>[Signature]</i>	9 July 76		
PROD. <i>[Signature]</i>	17 Dec 76		
NEXT HIGHER ASSY.			
CAD-7012940-0-0		SIZE CODE	NUMBER
SCALE: 1:1		D	CS7012940-0-1
SHEET 1 OF 1		DIST.	

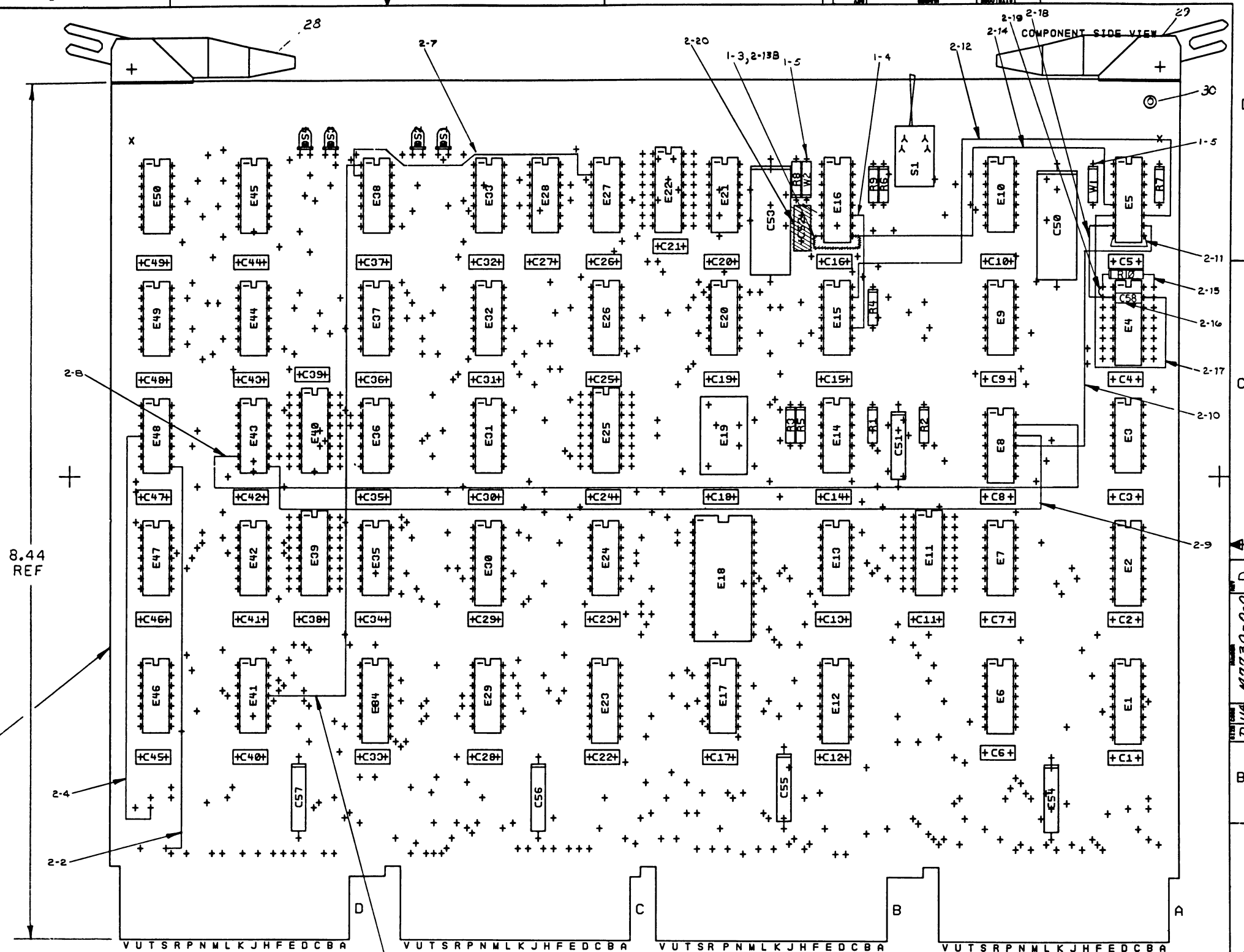
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REWORK INSTRUCTIONS
ECO #1

- 1-1. CUT ETCH AT E16-9, SIDE 2
- 1-2. CUT ETCH AT E16-11, SIDE 2
- 1-3. ADD WIRE FROM E16-8 TO E16-9
- 1-4. ADD WIRE FROM E15-10 TO E16-11
- 1-5. REMOVE D1 AND D2 AND REPLACE
WITH JUMPERS W1 & W2 RESPECTIVELY

ECO *2

- 2-1. TRACE ETCH FROM DS1 TO SIDE 1 OF THE MODULE, CUT ETCH JUST ABOVE FEED THROUGH.
- 2-2. RUN WIRE FROM DS1 FEED THROUGH TO E48-8.
- 2-3. TRACE ETCH FROM DS2 TO SIDE 1 OF MODULE, CUT ETCH BETWEEN FEED THROUGH.
- 2-4. RUN WIRE FROM DS2 FEED THROUGH TO E48-4.
- 2-5. RUN WIRE FROM E41-11 TO E38-1.
- 2-6. CUT ETCH AT E27-2 ON SIDE 2 OF THE MODULE.
- 2-7. ADD WIRE FROM E38-2 TO E27-2.
- 2-8. ADD WIRE FROM E43-6 TO E8-13.
- 2-9. ADD WIRE FROM E43-8 TO E8-12.
- 2-10. ADD WIRE FROM E8-11 TO E5-10.
- 2-11. ADD WIRE FROM E5-9 TO E5-8.
- 2-12. ADD WIRE FROM E5-11 TO E15-13.
- 2-13A. IF MODULE HAS ETCH TO E16-9, CUT ETCH TO E16-9. (ON SIDE 2 OF MODULE.)
- 2-13B. IF MODULE HAS WIRE FROM E16-9 TO GROUND, REMOVE WIRE FROM E16-9 TO GROUND.
- 2-14. ADD WIRE FROM E5-5 TO E16-9.
- 2-15. INSERT A 10K RES. (R10) INTO E4-1 TO E4-16.
- 2-16. INSERT A 1000 PF CAP. (C58) INTO E4-2 TO E4-15.
- 2-17. ADD WIRE FROM E5-6 TO E4-15.
- 2-18. ADD WIRE FROM E5-7 TO E4-2.
- 2-19. ADD WIRE FROM E4-1 TO E4-2.
- 2-20. REMOVE C52 FROM MODULE.

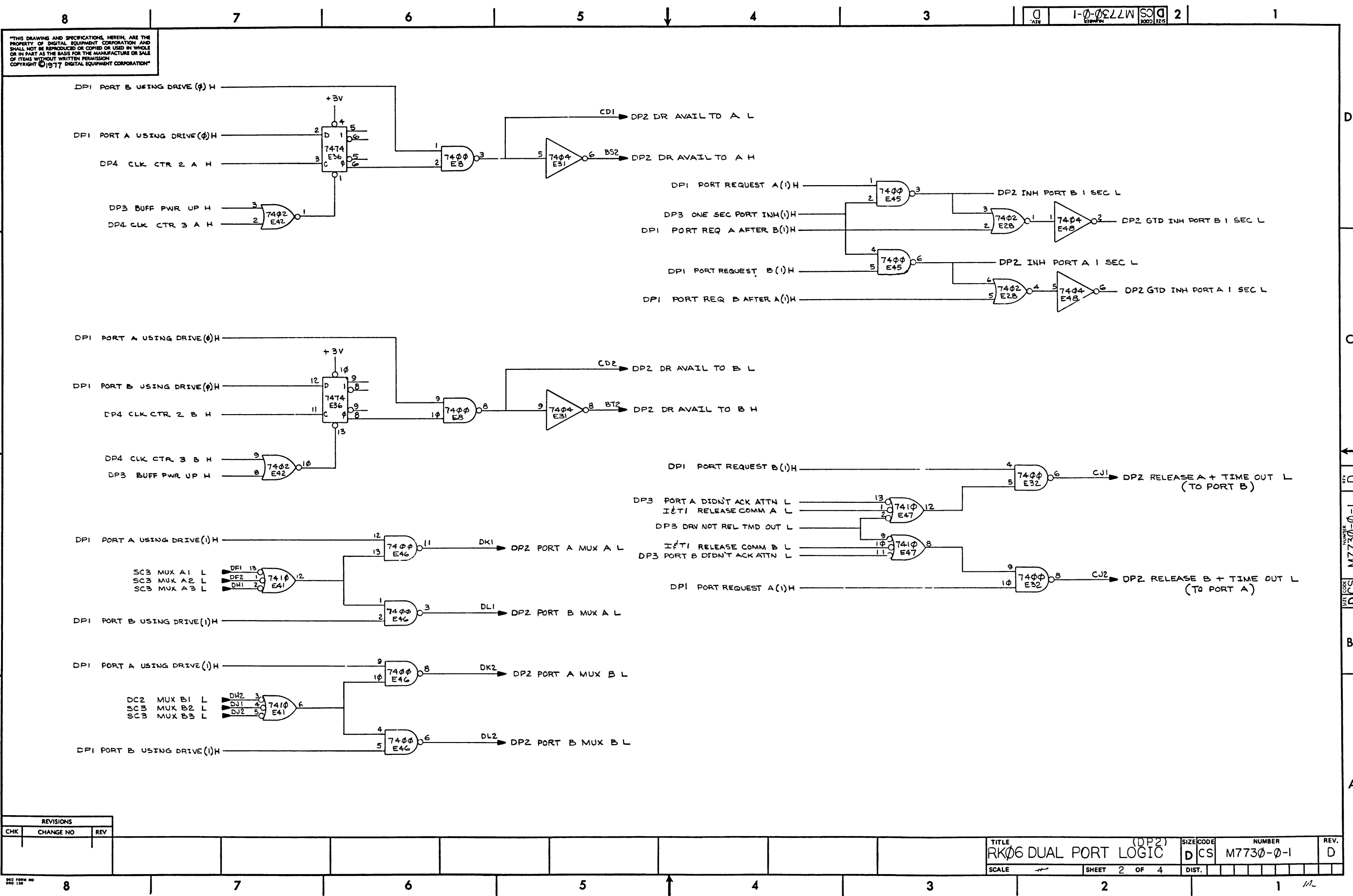


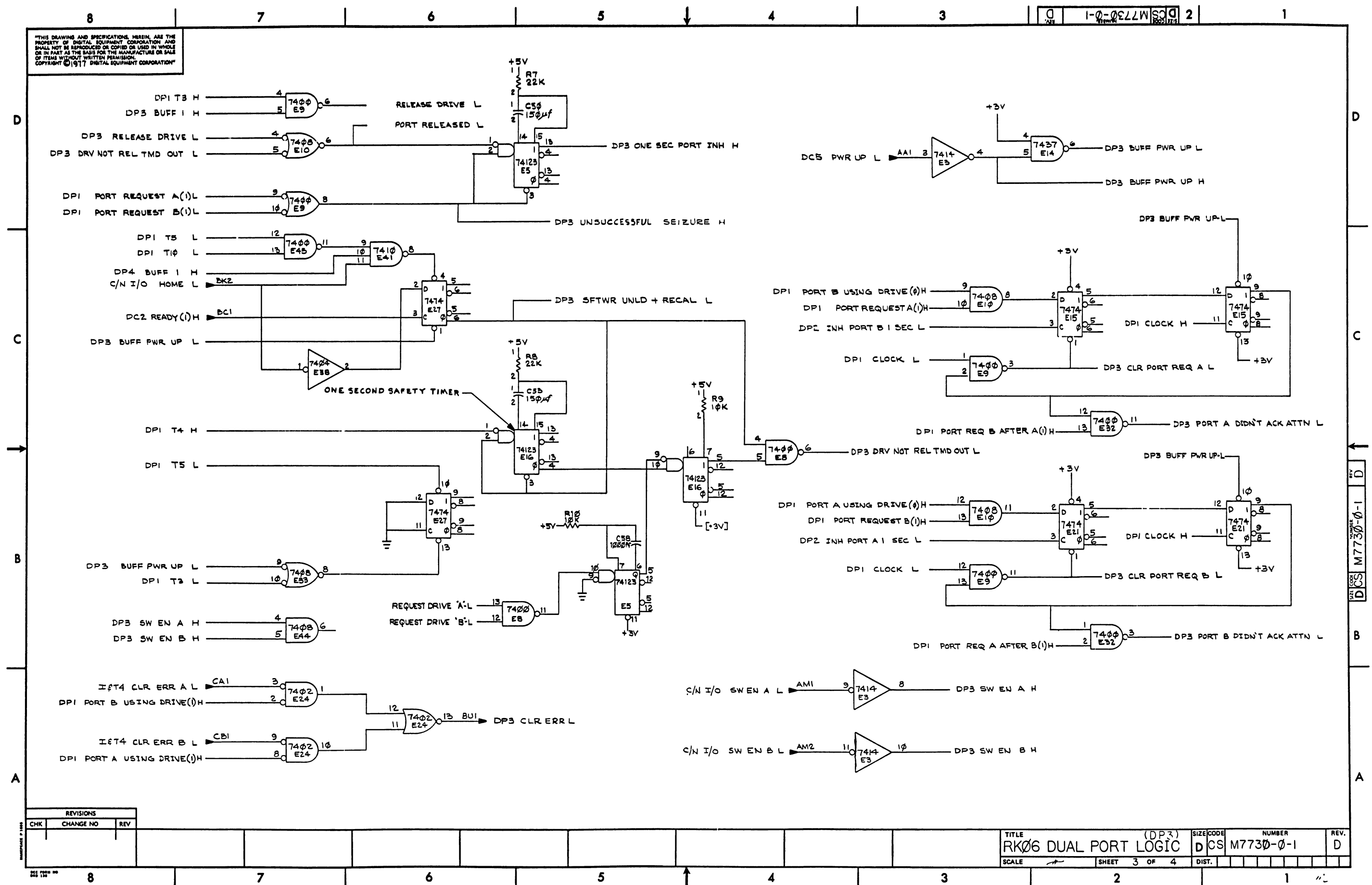
NOTES:

CHK	CHANGE	NO	REV
1	M7730-1	C	
	1000 240071		
	R. R. OLFF		
	1000 240071		
	M7730-2	D	
	1000 240071		
	R. R. OLFF		
	1000 240071		

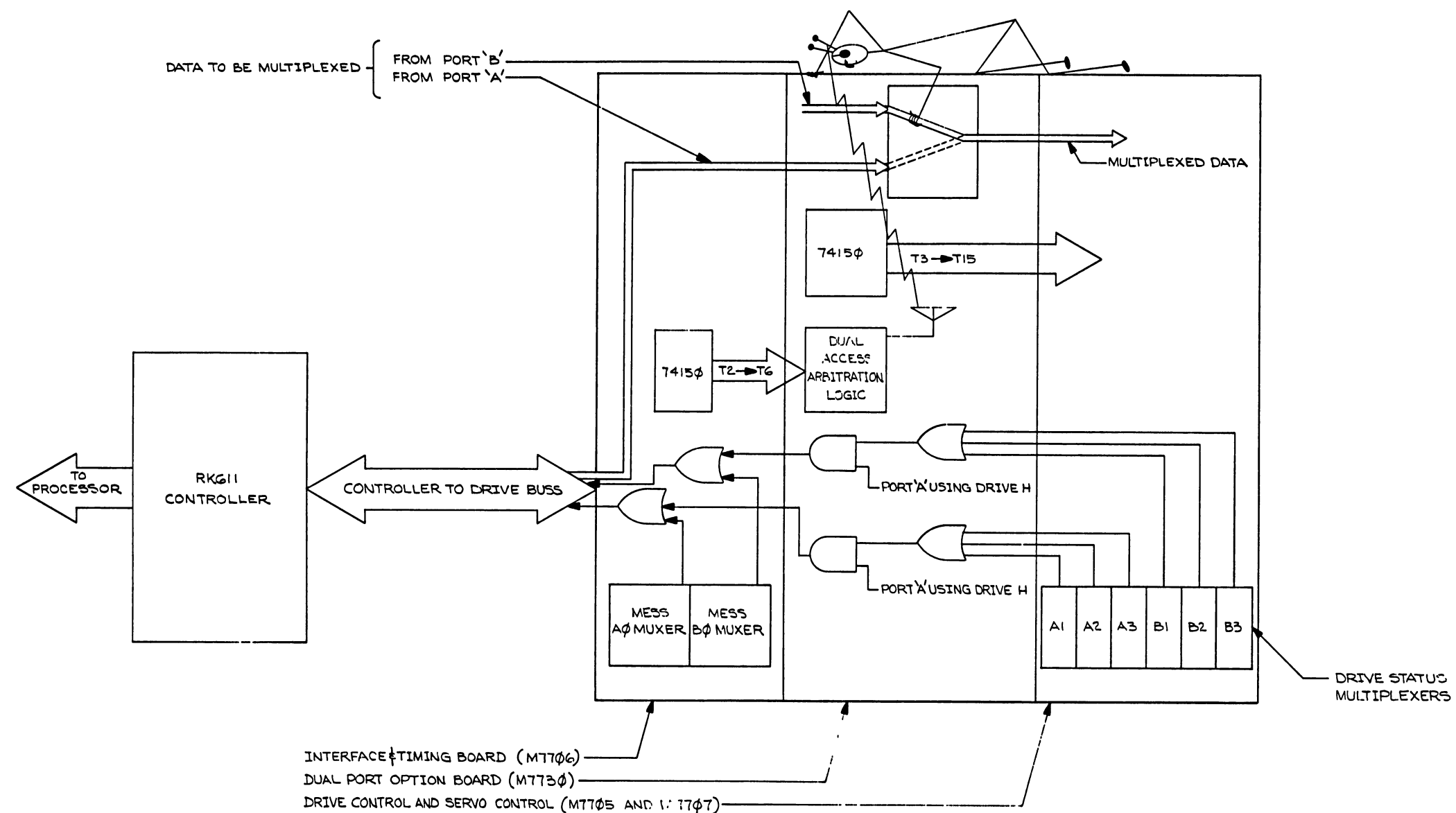
ETCH REV. C
P.C. DESIGN DATA BASE REV. — CL

SIGNATURES		DATE	digital				
DRN. <i>R. Anderson</i>		4-11-77					
CHK'D. <i>L. J. For</i>		4-11-77					
ENG. <i>W. J. For</i>		5-11-77	TITLE RKOG				
PROJ. ENG. <i>W. J. For</i>		5-11-77	DUAL PORT LOGIC				
PROD. <i>W. J. For</i>		5-11-77					
SCALE 2:1		SIZE	CODE	NUMBER		REV	
SHT. 1 OF 3		D	UA	M7730-0-0		D	
NEXT HIGHER ASSY. B-DD-M7730-0							





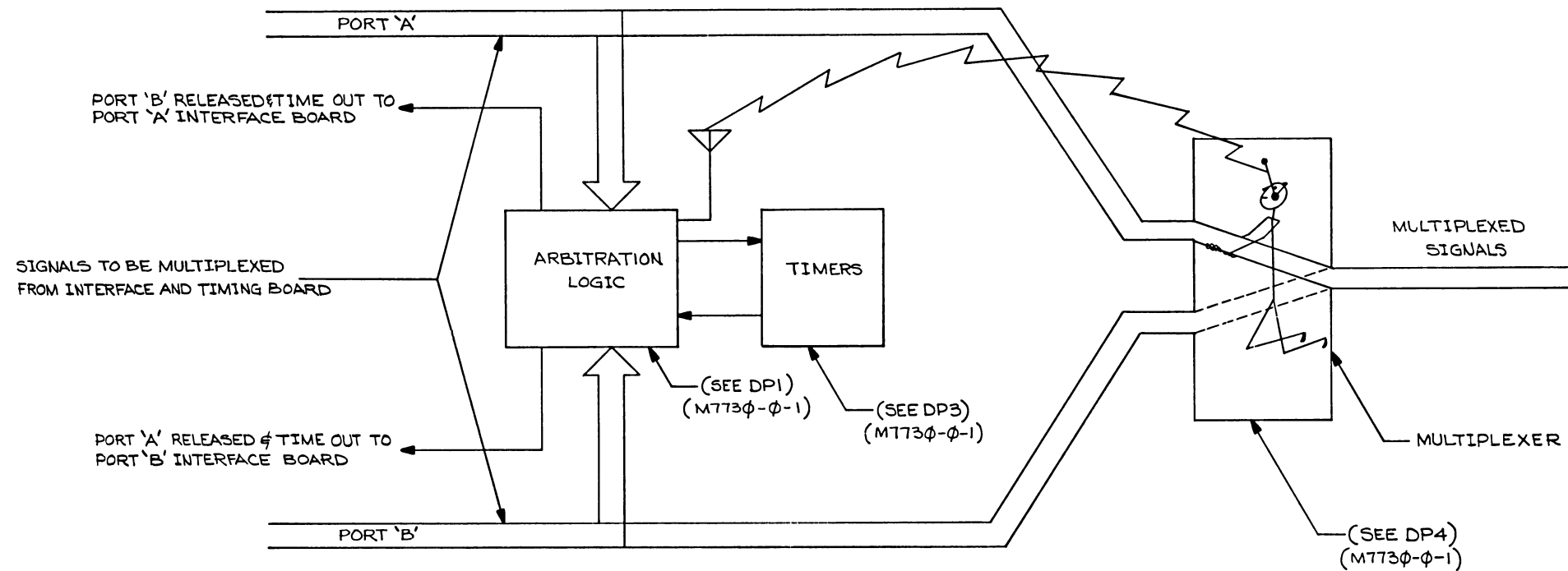
8	7	6	5	4	3	2	1	ML
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DRIVE ARCHITECTURE WITH DUAL ACCESS OPTION INSTALLED

DRN # <u>D. Angelo</u>	<u>4-25-77</u>	FIRST USED ON	<u>RK06</u>	<u>digital</u>
CHK# <u>02</u>	<u>4-29-77</u>	TITLE	<u>(RK06)</u>	
ENG. P. <u>(1)</u>	<u>5</u>	<u>DUAL PORT LOGIC</u>		
PROJ. ENG. <u>(1)</u>	<u>5</u>	<u>BLOCK DIAGRAM</u>		
PROP. <u>(1)</u>	<u>5</u>			
NEXT HIGHER ASSY.				
B DD <u>M7730-0</u>		SIZE	CODE	NUMBER
SCALE <u>1"</u>		D	BD	M7730-0-2
SHEET <u>1</u> OF <u>3</u>		D.		B

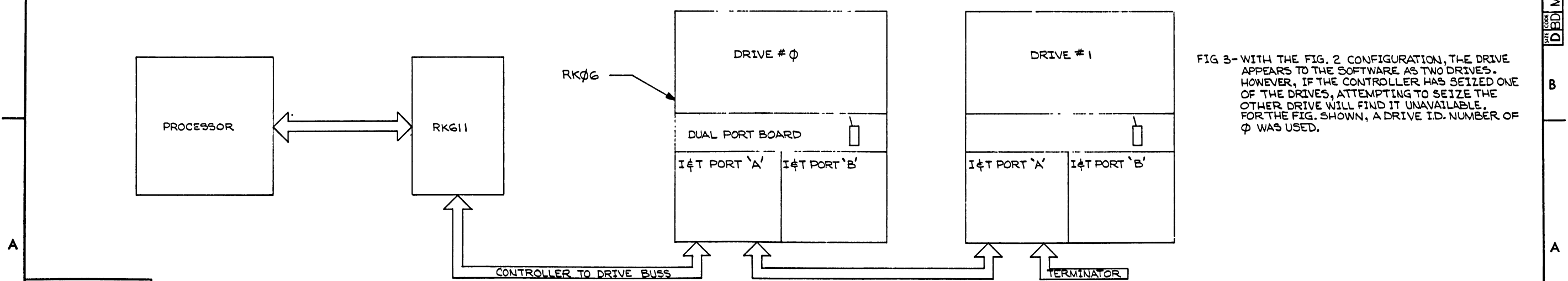
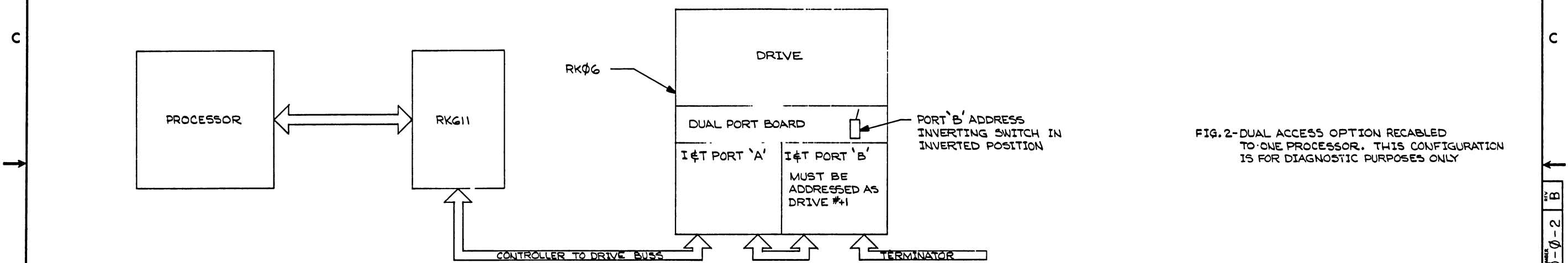
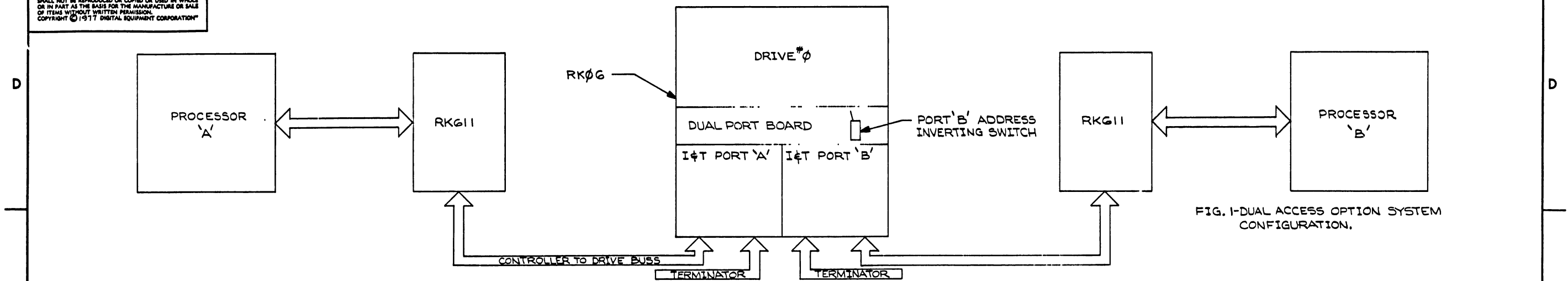
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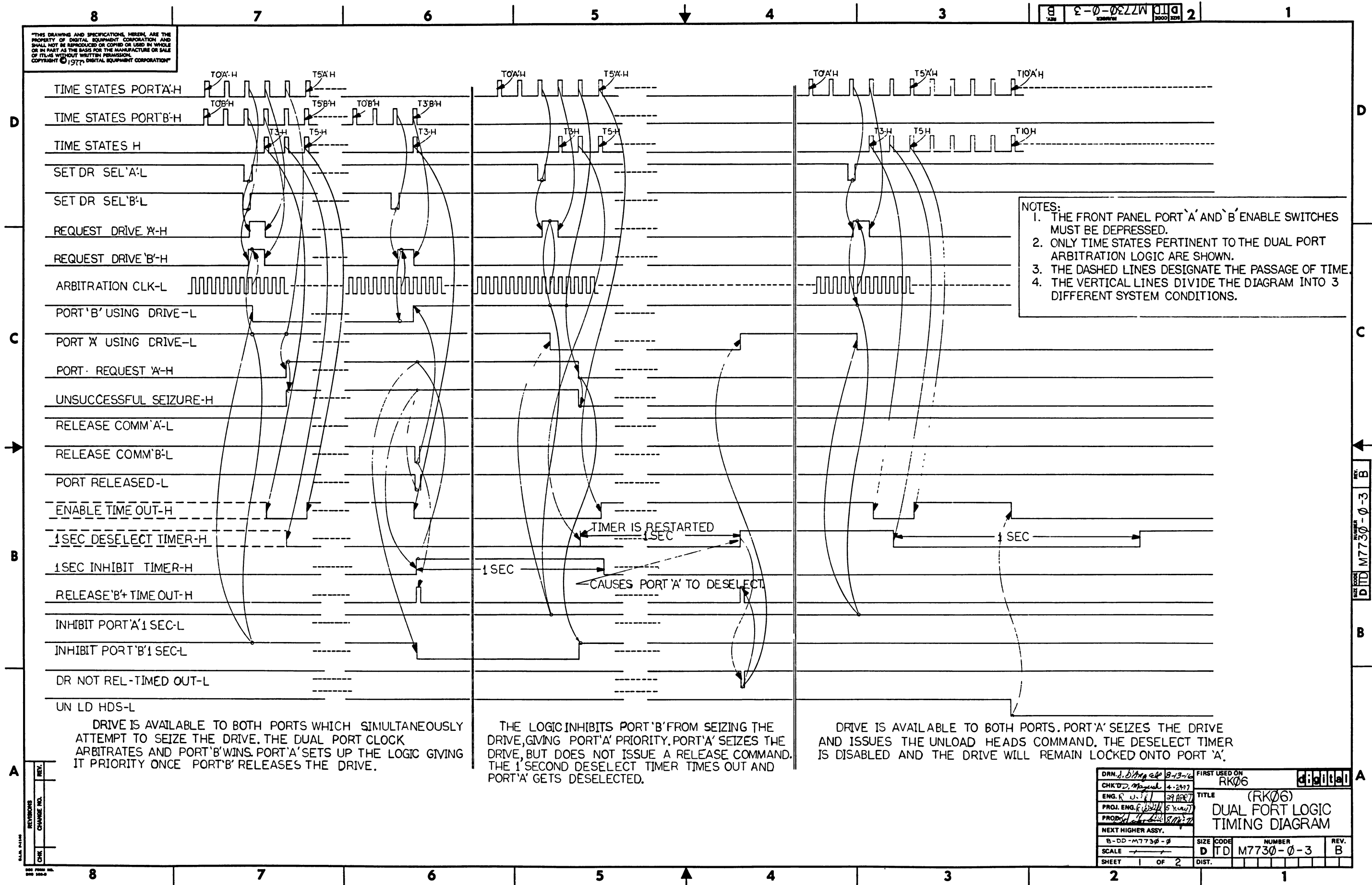
REVISIONS		
CHK	CHANGE NO	REV

TITLE (RK06) DUAL PORT LOGIC BLOCK DIAGRAM		SIZE	CODE	NUMBER	REV.
		D	BD	M7730-0-2	B
SCALE	2 OF 3	DIST.			

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REVISIONS		
CHK	CHANGE NO.	REV.



LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1		5012638-00	M7730	1	
2	2		1000012-00	***** THIS ITEM IS NOT USED *****	-	
3	3		1000084-00	150 MFD 15V 20% 150D S.TA (10-00	2	C50,C53
4	4		1001610-01	.01 MFD 100V OR 50V Z5U DISC/800PF MIN	49	C1-C49
5	5		1005306-00	6.8MFD 35V 10% 150D S.TA (10-00	5	C51,C54-C57
6	6		1105275-00	***** THIS ITEM IS NOT USED *****	-	
7	7		1112689-00	LED .8MCD016MA VF=5V	4	DS1-DS4
8	8		1210209-00	SW,TOG 1P,01A SUBMINI	1	S1
9	9		1300295-00	330 1/4W 5% CC (13-00	1	R1
10	10		1300365-00	1 K 1/4W 5% CC (13-00	3	R4-R6
11	11		1301401-00	750 1/4W 5% CC (13-00	1	R2
12	12		1301808-00	22 K 1/4W 5% CC (13-00	2	R7,R8
13	13		1300479-00	10 K 1/4W 5% CC (13-00	2	R9,R10
14	14		1301890-00	560 1/4W 5% CC (13-00	1	R3
15	15		1609428-00	DELAY= 50NS,0TAPS D0150	1	E19
16	16		1905547-00	DEC 7474 FF-D DUAL,EDGE TRIGGER,15MHZ	8	E15,E20,E21,E27,E36,E37,E43, E49
17	17		1905575-00	7400 NAND GATE-QUAD 2IN	5	E8,E9,E32,E45,E46
18	18		1905576-00	7410 NAND GATE-TRIPLE 3IN	3	E26,E41,E47
19	19		1905577-00	7420 NAND GATE-DUAL 4INPUT	1	E50
20	20		1909004-00	DEC 7402 NOR GATE-QUAD 2IN	3	E24,E28,E42
21	21		1909606-00	7404 INVERTER GATE-HEX 1IN	9	E6,E7,E13,E17,E29,E31,E35,E38, E40
22	22		1909701-00	74154 1 OF 16,BINARY SELECT	1	E10
23	23		1910091-00	DEC 7437 NAND GATE-QUAD 2IN,BUFFER 14	1	E14
24	24		1910155-00	DEC 7400 AND GATE,POS,QUAD 2IN 14	3	E10,E33,E44
25	25		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIGGERABLE	2	E5,E16
26	26		1910655-00	74157 MUX 1 OF 2 (QUAD	4	E1,E2,E12,E23,E30,E34
27	27		1911324-00	7414 NAND GATE-HEX 1IN SCHMITT TRIG	1	E3
28	28		7413826-00	HANDLE	1	

REVISION HISTORY			VARIATIONS FOR THIS ASSY.			FIRST USED ON: RK06			DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK	ECO NO	REV									
BHF	00002	D	00			MADE BY: D. MAYUSHI	DATE: 30-JUN-78	TITLE			
						CHECKED: D. MAYUSHI	DATE: 30-JUN-78	PARTS LIST			
						DSN.ENG.: ROBERT H. WOLFF	DATE: 30-JUN-78	RK06 DUAL PORT LOGIC			
						PROD.: BOB GOODWIN	DATE: 30-JUN-78	SIZE: K	CODE: PL	DOCUMENT NUMBER	REV
						RESP.ENG.: ROBERT H. WOLFF	DATE: 30-JUN-78	ASSY.NO.: D-UA-M7730-0-0			EDIT#
											4

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LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
29	29		7413826-01	HANDEL, MODULE	1	
30	30		9000024-01	EYELET, ROLLED FLANGE, .121 OD X .196 LG	8	
31	31		9105740-55	WIRE(WRAP)30AWG UL1423 (91-00 A/R		
32	32		9009185-00	JUMPER, WIRE, INSULATED, BLACK BAND	2	W1,W2
33	33		1000042-00	1000.0 MMF 100V 50200PPM DM158 (10-00	1	C50
34	34	B-DD-M7730-0-0		DRAWING DIRECTORY	REF	
35	35	D-UA-M7730-0-0		UNIT ASSEMBLY	REF	
36	36	D-CS-M7730-0-1		CIRCUIT SCHEMATIC	REF	
37	37	D-MD-5012638-0-0		DRILL AND ETCH DRAWING	REF	
38	38	I.C. SPARES, 16 PIN			6	E4,E11,E22,E25,E39,E40

DIGITAL EQUIPMENT CORPORATION	TITLE	PARTS LIST	SIZE	CODE	DOCUMENT NUMBER	REV
MAYNARD, MASSACHUSETTS		RK06 DUAL PORT LOGIC	K	PL	M7730-0-DBP	D

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DRA 123

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NOTES:
1. THE ROUTING OF SOME WIRES ARE CRITICAL. ANY ROUTING CHANGE MUST HAVE DISK ENGINEERING APPROVAL.

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.		
RKØ6			PARTS LIST				
DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS WIRE LIST (DUAL PORT)					
CHK'D.	DATE						
ENG.	DATE						
PROJ. ENG.	DATE						
PROD.	DATE						
NEXT HIGHER ASSEMBLY		D-AD-7012474-0-0					
SCALE	+ +		SIZE	CODE	NUMBER	REV.	
SHEET	1	OF	1	K	WL	7012474-0-2	K

REVISIONS		REV.
CHK	CHANGE NO.	
	7012474-00001	A
MC	7012474-00002	B
RW	7012474-00003	C
MC	7012474-00005	D
RW	7012474-00006	E
MC	7012474-00008	F
MC	7012474-00009	H
MC	7012474-00010	J
MC	7012474-00012	K

RK06 DUAL PORT.J RUN NAME	VGWRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE FLAG	Z	C	10-Oct-77				10135		PAGE 1	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA	NC	LENGTH	EXCEPTIONS	
+15		A16D2		1-01 *	P	S		2	1						0-4/8		1
+15		A16D1		1-02 *	P	S		2	2						0-4/8		1
+15		A15D2		1-03 *	P	S		2	2						3		1
+15		B15D2		1-04 *	P	S		2	2						2-6/8		1
+15		C15D2		1-05 *	P	S		2	2						0-6/8		1
+15		C16D2		1-06 *	P	S		2	2						3-1/8		1
+15		D15D2		1-07 *	P	S		2	2						3-2/8		1
+15		D09D2		1-08 *	P	S		2	2						3		1
+15		C09D2		1-09 *	P	S											1
+15				1						0	0	0	0		16-7/8	1400000000	1
+25		B09E2		1-01 *	P	S		2	1						2-6/8		2
+25		C09E2		1-02 *	P	S		2	2						3		2
+25		D09E2	C16V1	1-03 *	P	S		2							3-7/8		2
+25		C16V1		1-04 *	P				1								2
+25				1						0	0	0	0		9-5/8	1400000000	2
+3		A11J2		1-01 *		S		1	1					N	0-6/8		3
+3		A11H1		1-02 *		S		2	2					N	0-4/8		3
+3		A10J2		1-03 *		S		1	1					N	0-6/8		3
+3		A10H1		1-04 *		S		2	2					N	0-6/8		3
+3		A10C1		1-05 *		S		1	1					N	0-4/8		3
+3		A10E1		1-06 *		S		2	2					N	0-7/8		3
+3		A11C1		1-07 *		S		1	1					N	0-4/8		3
+3		A11E1		1-08 *		S		2	2					N	0-5/8		3
+3		D14H1		1-09 *		S											3
+3				1						0	0	0	0		13-2/8	1400000000	3

RK06 DUAL PORT.J RUN NAME	VGWRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE FLAG	Z	C	10-Oct-77				10135		PAGE 2	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA	NC	LENGTH	EXCEPTIONS	
+5		A09A2		1-01 *	P	S		2	2						0-6/8		4
+5		A10A2		1-02 *	P	S		2	2						0-6/8		4
+5		A11A2		1-03 *	P	S		2	2						0-6/8		4
+5		A12A2		1-04 *	P	S		2	2						0-6/8		4
+5		A13A2		1-05 *	P	S		2	2						0-6/8		4
+5		A14A2		1-06 *	P	S		2	2						0-6/8		4
+5		A15A2		1-07 *	P	S		2	2						0-6/8		4
+5		A16A2		1-08 *	P	S		2	2						3-2/8		4
+5		B14A2		1-09 *	P	S		2	2						0-6/8		4
+5		B13A2		1-10 *	P	S		2	2						0-6/8		4
+5		B12A2		1-11 *	P	S		2	2						0-6/8		4
+5		B11A2		1-12 *	P	S		2	2						0-6/8		4
+5		B10A2		1-13 *	P	S		2	2						0-6/8		4
+5		B09A2		1-14 *	P	S		2	2						3-6/8		4
+5		B16A2		1-15 *	P	S		2	2						0-6/8		4
+5		B15A2		1-16 *	P	S		2	2						3-4/8		4
+5		B09A1		1-17 *	P	S		2	2						2-6/8		4
+5		C09A2		1-18 *	P	S		2	2						0-6/8		4
+5		C10A2		1-19 *	P	S		2	2						0-6/8		4
+5		C11A2		1-20 *	P	S		2	2						0-6/8		4
+5		C12A2		1-21 *	P	S		2	2						0-6/8		4
+5		C13A2		1-22 *	P	S		2	2						0-6/8		4
+5		C14A2		1-23 *	P	S		2	2						0-6/8		4
+5		C15A2		1-24 *	P	S		2	2						0-6/8		4
+5		C16A2		1-25 *	P	S		2	2						3-2/8		4
+5		D14A2		1-26 *	P	S		2	2						0-6/8		4
+5		D13A2		1-27 *	P	S		2	2						0-6/8		4
+5		D12A2		1-28 *	P	S		2	2						0-6/8		4
+5		D11A2		1-29 *	P	S		2	2						0-6/8		4
+5		D10A2		1-30 *	P	S		2	2						0-6/8		4
+5		D09A2		1-31 *	P	S		2	2						3-6/8		4
+5		D16A2		1-32 *	P	S		2	2						0-6/8		4
+5		D15A2		1-33 *	P	S											4
+5				1						0	0	0	0		39-6/8	1400000000	4
+C08 PA		A15B1		1-01 *	K	S		1	1						7-1/8		5
+C08 PA		C09K2		1-02 *		S											5
+C08 PA				1						0	0	0	0		7-1/8	1400000000	5
-15		A16D2		1-01 *		S		1	1					N	0-6/8		6
-15		A15D2		1-02 *	P	S		2	2						3		6
-15		B15D2		1-03 *	P	S		2	2						0-6/8		6
-15		B16D2		1-04 *	P	S		2	2						2-6/8		6
-15		C16D2		1-05 *	P	S		2	2						0-6/8		6
-15		C15D2		1-06 *	P	S		2	2						3		6
-15		D15D2		1-07 *	P	S		2	2						3-2/8		6
-15		D09D2		1-08 *	P	S		2	2						3		6
-15		C09D2		1-09 *	P	S											6
-15				1						0	0	0	0		17-2/8	1400000000	6
-5		A16R2		1-01 *	P	S		2	1						3-5/8		7
-5		A10L1		1-02 *	P	S		2	2						0-6/8		7
-5		A11L1		1-03 *	P	S		2	2						0-7/8		7
-5		D09R2		1-04 *	P	S											7
-5				1						0	0	0	0		13-2/8	1400000000	7

RK06 DUAL PORT,J RUN NAME	VGWRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE FLAG	Z	C	LOADING HIGH	10-Oct-77		10135 NC LENGTH	PAGE 3 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER							LOW	AC EXTRA			
-SIN PA		A15A1		1-01 *		S		1	1				N 7		8
-SIN PA		C09J2		1-02 *		S									8
-SIN PA				1						0	0	0	0	7-0/8 1400000000	8
A PK DET L		A16B1	C16R2	1-01 *		S		1	I				N 7		9
A PK DET L		C16R2		1-02 *		S			I						9
A PK DET L				1						0	0	0	0	7-0/8 1400000000	9
AC LOW ERR H		C10J2		1-01 *		S		1	2				N 0-6/8		10
AC LOW ERR H		C11J2		1-02 *		S		2	1				N 1		10
AC LOW ERR H		C13J1		1-03 *		S									10
AC LOW ERR H				1						0	0	0	0	1-6/8 1400000000	10
AC LOW L		C09E1		1-01 *		S		1	1				N 4		11
AC LOW L		D13H2		1-02 *		S									11
AC LOW L				1						0	0	0	0	4-0/8 1400000000	11
B PK DET L		A16A1	C16P2	1-01 *		S		1	I				N 7		12
B PK DET L		C16P2		1-02 *		S			I						12
B PK DET L				1						0	0	0	0	7-0/8 1400000000	12
BAD ADDR H		C13R1		1-01 *		S		1	1				N 0-7/8		13
BAD ADDR H		C14S2		1-02 *		S									13
BAD ADDR H				1						0	0	0	0	0-7/8 1400000000	13
BETWEEN LIM H		A14K1		1-01 *		S		1	I				N 0-5/8		14
BETWEEN LIM H		D13N1		1-02 *		S		2	I				N 5-7/8		14
BETWEEN LIM H		B16N2		1-03 *		S		1	I				N 5-3/8		14
BETWEEN LIM H		D15L2		1-04 *		S			I						14
BETWEEN LIM H				1						0	0	0	0	19-7/8 1400000000	14
BETWEEN LIM L		D13K1		1-01 *		S		2	2				N 0-4/8		15
BETWEEN LIM L		A10K1		1-02 *		S		1	1				N 0-6/8		15
BETWEEN LIM L		A11K1		1-03 *		S		2	2				N 2-1/8		15
BETWEEN LIM L		A14E2		1-04 *		S		1	1				N 9-1/8		15
BETWEEN LIM L		D15M2		1-05 *		S									15
BETWEEN LIM L				1						0	0	0	0	20-4/8 1400000000	15
BRUSH HOME SW NO		B09N2		1-01 *		S		1	1				N 5-6/8		16
BRUSH HOME SW NO		D13M2		1-02 *		S									16
BRUSH HOME SW NO				1						0	0	0	0	5-6/8 1400000000	16
BRUSHHOME-SWITCH NC H		B09P2		1-01 *		S		2	2				N 3		17
BRUSHHOME-SWITCH NC H		B14L2		1-02 *		S		1	1				N 6-5/8		17
BRUSHHOME-SWITCH NC H		D13V2		1-03 *		S									17
BRUSHHOME-SWITCH NC H				1						0	0	0	0	9-5/8 1400000000	17
BUFF 01 A H		A12D1		1-01 *		S		1	1				N 5-5/8		18
BUFF 01 A H		C11D1		1-02 *		S									18
BUFF 01 A H				1						0	0	0	0	5-5/8 1400000000	18
BUFF 01 B H		A12D2		1-01 *		S		1	1				N 5-6/8		19
BUFF 01 B H		C10D1		1-02 *		S									19
BUFF 01 B H				1						0	0	0	0	5-6/8 1400000000	19

RK06 DUAL PORT,J RUN NAME	VGWRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE FLAG	Z	C	LOADING HIGH	10-Oct-77		10135 NC LENGTH	PAGE 4 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER							LOW	AC EXTRA			
BUFF 01 H		B12D2		1-01 *		S		1	1				N 4-3/8		20
BUFF 01 H		C13U1		1-02 *		S		2	2				N 2-4/8		20
BUFF 01 H		D14N1		1-03 *		S									20
BUFF 01 H				1						0	0	0	0	6-7/8 1400000000	20
BUFF 02 A H		A12E1		1-01 *		S		1	1				N 0-5/8		21
BUFF 02 A H		D11J1		1-02 *		S									21
BUFF 02 A H				1						0	0	0	0	0-5/8 1400000000	21
BUFF 02 B H		A12E2		1-01 *		S		1	1				N 0-6/8		22
BUFF 02 B H		D10J1		1-02 *		S									22
BUFF 02 B H				1						0	0	0	0	0-6/8 1400000000	22
BUFF 02 H		B12E1		1-01 *		S		1	1				N 1-7/8		23
BUFF 02 H		B14N2		1-02 *		S									23
BUFF 02 H				1						0	0	0	0	1-7/8 1400000000	23
BUFF 03 A H		A12F1		1-01 *		S		1	1				N 9		24
BUFF 03 A H		D11M1		1-02 *		S									24
BUFF 03 A H				1						0	0	0	0	9-0/8 1400000000	24
BUFF 03 B H		A12F2		1-01 *		S		1	1				N 9		25
BUFF 03 B H		D10M1		1-02 *		S									25
BUFF 03 B H				1						0	0	0	0	9-0/8 1400000000	25
BUFF 03 H		B12E2		1-01 *		S		1	1				N 1-3/8		26
BUFF 03 H		B14M1		1-02 *		S									26
BUFF 03 H				1						0	0	0	0	1-3/8 1400000000	26
CART PRES H		B10U2		1-01 *		S		1	1				N 0-6/8		27
CART PRES H		B11U2		1-02 *		S		2	2				N 2-1/8		27
CART PRES H		B14J1		1-03 *		S		1	1				N 5-2/8		27
CART PRES H		D13F2		1-04 *		S									27
CART PRES H				1						0	0	0	0	0-1/8 1400000000	27
CART PRES L		B09J2		1-01 *		S		1	1				N 4-3/8		28
CART PRES L		C13U2		1-02 *		S									28
CART PRES L				1						0	0	0	0	4-3/8 1400000000	28
CBDTSEL		A09V1		1-01 *		S		2	I				N 1-3/8		29
CBDTSEL		A10P2		1-02 *		S		1	I				N 0-6/8		29
CBDTSEL		A11M2		1-03 *		S			I						29
CBDTSEL				1						0	0	0	0	2-1/8 1400000000	29
CBSN1 H		A09A1		1-01 *		S		1	I				N 3-7/8		30
CBSN1 H		A14V2		1-02 *		S			I						30
CBSN1 H				1						0	0	0	0	3-7/8 1400000000	30
CBSN10 H		A09J1		1-01 *		S		1	I				N 3-5/8		31
CBSN10 H		B14D1		1-02 *		S			I						31
CBSN10 H				1						0	0	0	0	3-5/8 1400000000	31
CBSN100 H		A09N1		1-01 *		S		1	I				N 3		32
CBSN100 H		A14S2		1-02 *		S			I						32
CBSN100 H				1						0	0	0	0	3-0/8 1400000000	32

RK06 DUAL PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE OPT FLAG	I	C	10-Oct-77				10135 NC LENGTH	PAGE 5 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA			
CBSN2 H		A09E1		1-01 *		S		1	I					N	3-3/8	33
CBSN2 H		A14V1		1-02 *		S			I							33
CBSN2 H				1						0	0	0	0		3-3/8 1400000000	33
CBSN20 H		A09K1		1-01 *		S		1	I					N	3-2/8	34
CBSN20 H		A14T2		1-02 *		S			I							34
CBSN20 H				1						0	0	0	0		3-2/8 1400000000	34
CBSN200 H		A09P1		1-01 *		S		1	I					N	2-7/8	35
CBSN200 H		A14P1		1-02 *		S			I							35
CBSN200 H				1						0	0	0	0		2-7/8 1400000000	35
CBSN4 H		A09F1		1-01 *		S		1	I					N	3-4/8	36
CBSN4 H		B14A1		1-02 *		S			I							36
CBSN4 H				1						0	0	0	0		3-4/8 1400000000	36
CBSN40 H		A09L1		1-01 *		S		1	I					N	4-2/8	37
CBSN40 H		B14W2		1-02 *		S			I							37
CBSN40 H				1						0	0	0	0		4-2/8 1400000000	37
CBSN400 H		A09R1		1-01 *		S		1	I					N	2-5/8	38
CBSN400 H		A14P1		1-02 *		S			I							38
CBSN400 H				1						0	0	0	0		2-5/8 1400000000	38
CBSN0 H		A09H1		1-01 *		S		1	I					N	3-5/8	39
CBSN0 H		B14C1		1-02 *		S			I							39
CBSN0 H				1						0	0	0	0		3-5/8 1400000000	39
CBSN00 H		A09M1		1-01 *		S		1	I					N	2-7/8	40
CBSN00 H		A14S1		1-02 *		S			I							40
CBSN00 H				1						0	0	0	0		2-7/8 1400000000	40
CBSN000 H		A09S1		1-01 *		S		1	I					N	3-1/8	41
CBSN000 H		A14R2		1-02 *		S			I							41
CBSN000 H				1						0	0	0	0		3-1/8 1400000000	41
CHANGE RUN SW L		B13D1		1-01 *		S		2	2					N	7-1/8	42
CHANGE RUN SW L		D11R1		1-02 *		S		1	1					N	0-6/8	42
CHANGE RUN SW L		D10R1		1-03 *		S										42
CHANGE RUN SW L				1						0	0	0	0		7-7/8 1400000000	42
CLK CTR 00 A H		B12W2		1-01 *		S		1	1					N	3-1/8	43
CLK CTR 00 A H		C11W2		1-02 *		S										43
CLK CTR 00 A H				1						0	0	0	0		3-1/8 1400000000	43
CLK CTR 00 B H		C10K2		1-01 *		S		1	1					N	3-5/8	44
CLK CTR 00 B H		D12P1		1-02 *		S										44
CLK CTR 00 B H				1						0	0	0	0		3-5/8 1400000000	44
CLK CTR 00 H		D12D1		1-01 *		S		1	1					N	0	45
CLK CTR 00 H		A14W2		1-02 *		S		2	2					N	1-1/8	45
CLK CTR 00 H		A13K1		1-03 *		S										45
CLK CTR 00 H				1						0	0	0	0		9-1/8 1400000000	45

RK06 DUAL PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE OPT FLAG	I	C	10-Oct-77				10135 NC LENGTH	PAGE 6 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA			
CLK CTR 01 A H		B12J1		1-01 *		S		1	1					N	3-2/8	46
CLK CTR 01 A H		C11W2		1-02 *		S										46
CLK CTR 01 A H				1						0	0	0	0		3-2/8 1400000000	46
CLK CTR 01 B H		C10W2		1-01 *		S		1	2					N	3-4/8	47
CLK CTR 01 B H		D12P2		1-02 *		S										47
CLK CTR 01 B H				1						0	0	0	0		3-4/8 1400000000	47
CLK CTR 01 H		D12D2		1-01 *		S		2	2					N	0	48
CLK CTR 01 H		A14W1		1-02 *		S		1	1					N	0-7/8	48
CLK CTR 01 H		A13E1		1-03 *		S										48
CLK CTR 01 H				1						0	0	0	0		0-7/8 1400000000	48
CLK CTR 02 A H		B12J2		1-01 *		S		1	1					N	3-1/8	49
CLK CTR 02 A H		C11L2		1-02 *		S										49
CLK CTR 02 A H				1						0	0	0	0		3-1/8 1400000000	49
CLK CTR 02 B H		C10L2		1-01 *		S		1	1					N	3-5/8	50
CLK CTR 02 B H		D12P1		1-02 *		S										50
CLK CTR 02 B H				1						0	0	0	0		3-5/8 1400000000	50
CLK CTR 02 H		D12E1		1-01 *		S		1	1					N	0-4/8	51
CLK CTR 02 H		A13D1		1-02 *		S		2	2					N	1-2/8	51
CLK CTR 02 H		A14J2		1-03 *		S										51
CLK CTR 02 H				1						0	0	0	0		9-6/8 1400000000	51
CLK CTR 03 A H		B12K1		1-01 *		S		1	1					N	5-5/8	52
CLK CTR 03 A H		D11K1		1-02 *		S										52
CLK CTR 03 A H				1						0	0	0	0		5-5/8 1400000000	52
CLK CTR 03 B H		D10K1		1-01 *		S		1	1					N	1-6/8	53
CLK CTR 03 B H		D12R2		1-02 *		S										53
CLK CTR 03 B H				1						0	0	0	0		1-6/8 1400000000	53
CLK CTR 03 H		D12E2		1-01 *		S		1	1					N	0-1/8	54
CLK CTR 03 H		A13F1		1-02 *		S		2	2					N	6	54
CLK CTR 03 H		C14K2		1-03 *		S										54
CLK CTR 03 H				1						0	0	0	0		14-1/8 1400000000	54
CLR ERR A L		C11F1		1-01 *		S		1	2					N	1	55
CLR ERR A L		C12A1		1-02 *		S										55
CLR ERR A L				1						0	0	0	0		1-0/8 1400000000	55
CLR ERR B L		C10F1		1-01 *		S		1	1					N	1-3/8	56
CLR ERR B L		C12P1		1-02 *		S										56
CLR ERR B L				1						0	0	0	0		1-3/8 1400000000	56
CLR ERR L		B12U1		1-01 *		S		1	1					N	1-5/8	57
CLR ERR L		C13H1		1-02 *		S										57
CLR ERR L				1						0	0	0	0		1-5/8 1400000000	57
CLR VOL VAL L		B10R1		1-01 *		S		1	2					N	0-6/8	58
CLR VOL VAL L		B11R1		1-02 *		S		2	1					N	5	58
CLR VOL VAL L		D13K2		1-03 *		S										58
CLR VOL VAL L				1						0	0	0	0		5-6/8 1400000000	58

RK06 DUAL PORT,J		VGNRAP 35(102)-1 03-JUN-77				10-Oct-77				10135		PAGE 7		RUN NUMBER					
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE FLAG	TYPE	X	C C	LOADING HIGH	LOW		AC	EXTRA	NC FLAG	LENGTH	EXCEPTIONS
COARSE TRACK H			B16V2		1-01 *		S			1	2					N	5-3/8		59
COARSE TRACK H			D14S1		1-02 *		S												59
COARSE TRACK H					1							0	0	0	0		5-3/8 1400000000		59
CONT CLO SIGA		H	J00100		1-01 *	H	S		219	1		-TWP					5-6/8		60
CONT CLO SIGA		H	B11N2		1-02 *	H	S		219	2		-TWP					4-5/8		60
CONT CLO SIGA		H	J00200		1-03 *	T	S		T 219			-TWP							60
CONT CLO SIGA		H			1							0	0	0	0		10-3/8 1400000000		60
CONT CLO SIGA		L	J00107		1-01 *	D	S		219	1		+TWP					5-6/8		61
CONT CLO SIGA		L	B11M2		1-02 *	D	S		219	2		+TWP					4-6/8		61
CONT CLO SIGA		L	J00207		1-03 *	T	S		T 219			+TWP							61
CONT CLO SIGA		L			1							0	0	0	0		10-4/8 1400000000		61
CONT CLO SIGB		H	J00300		1-01 *	H	S		219	1		-TWP					5-7/8		62
CONT CLO SIGB		H	B10N2		1-02 *	H	S		219	2		-TWP					4-6/8		62
CONT CLO SIGB		H	J00400		1-03 *	T	S		T 219			-TWP							62
CONT CLO SIGB		H			1							0	0	0	0		10-5/8 1400000000		62
CONT CLO SIGB		L	J00307		1-01 *	D	S		219	1		+TWP					6		63
CONT CLO SIGB		L	B10M2		1-02 *	D	S		219	2		+TWP					4-7/8		63
CONT CLO SIGB		L	J00407		1-03 *	T	S		T 219			+TWP							63
CONT CLO SIGB		L			1							0	0	0	0		10-7/8 1400000000		63
COUNTER EN A L			A12S1		1-01 *		S			1	1					N	2		64
COUNTER EN A L			B11F1		1-02 *		S												64
COUNTER EN A L					1							0	0	0	0		2-0/8 1400000000		64
COUNTER EN B L			A12S2		1-01 *		S			1	1					N	2-2/8		65
COUNTER EN B L			B10F1		1-02 *		S												65
COUNTER EN B L					1							0	0	0	0		2-2/8 1400000000		65
CP A H			A11A1		1-01 *		S			1	2					N	0-7/8		66
CP A H			A12B1		1-02 *		S												66
CP A H					1							0	0	0	0		0-7/8 1400000000		66
CP B H			A10A1		1-01 *		S			1	1					N	1-5/8		67
CP B H			A12B2		1-02 *		S												67
CP B H					1							0	0	0	0		1-5/8 1400000000		67
CP H			B12D1		1-01 *		S			1	1					N	5-5/8		68
CP H			D14D1		1-02 *		S												68
CP H					1							0	0	0	0		5-5/8 1400000000		68
CTD SIGA		H	J00114		1-01 *	H	S		219	1		-TWP					4-3/8		69
CTD SIGA		H	C11P2		1-02 *	H	S		219	2		-TWP					3		69
CTD SIGA		H	J00214		1-03 *	T	S		T 219			-TWP							69
CTD SIGA		H			1							0	0	0	0		7-3/8 1400000000		69
CTD SIGA		L	J00113		1-01 *	D	S		219	1		+TWP					5		70
CTD SIGA		L	C11B1		1-02 *	D	S		219	2		+TWP					3-6/8		70
CTD SIGA		L	J00213		1-03 *	T	S		T 219			+TWP							70
CTD SIGA		L			1							0	0	0	0		8-6/8 1400000000		70

RK06 DUAL PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77										10-Oct-77				10135		PAGE 8		RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE OPT	TYPE FLAG	X	C C	LOADING HIGH	LOW	AC	EXTRA	NC FLAG	LENGTH	EXCEPTIONS		
CTD SIGB	H	J00314		1-01 *	H	S		219	1		-TWP					4-6/8		71	
CTD SIGB	H	C10P2		1-02 *	H	S		219	2		-TWP					3-2/8		71	
CTD SIGB	H	J00414		1-03 *	T	S		T 219			-TWP							71	
CTD SIGB	H			1							0	0	0	0		8-0/8 1400000000		71	
CTD SIGB	L	J00313		1-01 *	D	S		219	1		+TWP					5-2/8		72	
CTD SIGB	L	C10B1		1-02 *	D	S		219	2		+TWP					4		72	
CTD SIGB	L	J00413		1-03 *	T	S		T 219			+TWP							72	
CTD SIGB	L			1							0	0	0	0		9-2/8 1400000000		72	
CTRLR PWR A L		D11V2		1-01 *	P				2	I						3		73	
CTRLR PWR A L		J00239		1-02 *	P				2	I						1-7/8		73	
CTRLR PWR A L		J00139		1-03 *	P					I								73	
CTRLR PWR A L				1							0	0	0	0		4-7/8 1400000000		73	
CTRLR PWR B L		D10V2		1-01 *	P				2	I						3-2/8		74	
CTRLR PWR B L		J00439		1-02 *	P				2	I						1-7/8		74	
CTRLR PWR B L		J00339		1-03 *	P					I								74	
CTRLR PWR B L				1							0	0	0	0		5-1/8 1400000000		74	
CURRENT CMD		B09V2		1-01 *	K	S			1	1						3-1/8		75	
CURRENT CMD		C15B1		1-02 *		S												75	
CURRENT CMD				1							0	0	0	0		3-1/8 1400000000		75	
CYL ADD 06 H		C14E2		1-01 *		S			1	1					N	4-6/8		76	
CYL ADD 06 H		D09P2		1-02 *		S												76	
CYL ADD 06 H				1							0	0	0	0		4-6/8 1400000000		76	
CYL ADD 07 H		C14F2		1-01 *		S			1	1					N	4-5/8		77	
CYL ADD 07 H		D09N2		1-02 *		S												77	
CYL ADD 07 H				1							0	0	0	0		4-5/8 1400000000		77	
CYL ADD 08 H		C14H2		1-01 *		S			1	1					N	4-6/8		78	
CYL ADD 08 H		D09R1		1-02 *		S												78	
CYL ADD 08 H				1							0	0	0	0		4-6/8 1400000000		78	
CYL DIFF 04 H		A14N1				S										1-PIN RUN		79	
DAC 00 H		B15R1		1-01 *		S			1	1					N	6-1/8		80	
DAC 00 H		D14H2		1-02 *		S												80	
DAC 00 H				1							0	0	0	0		6-1/8 1400000000		80	
DAC 01 H		B15C1		1-01 *		S			1	1					N	6-3/8		81	
DAC 01 H		D14L1		1-02 *		S												81	
DAC 01 H				1							0	0	0	0		6-3/8 1400000000		81	
DAC 02 H		B15E2		1-01 *		S			1	1					N	6-1/8		82	
DAC 02 H		D14L2		1-02 *		S												82	
DAC 02 H				1							0	0	0	0		6-1/8 1400000000		82	
DAC 03 H		B15F2		1-01 *		S			1	1					N	6		83	
DAC 03 H		D14F2		1-02 *		S												83	
DAC 03 H				1							0	0	0	0		6-0/8 1400000000		83	

RK06 DUAL PORT,J RUN NAME	VGWRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE	Z	C	10-Oct-77			10135 NC LENGTH	PAGE 9 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC EXTRA			
DAC 04 H		B15H2		1-01 *		8		1	1				N	5-7/8	84
DAC 04 H		D14K1		1-02 *		8									84
DAC 04 H				1						0	0	0	0	5-7/8 1400000000	84
DAC 05 H		B15F1		1-01 *		8		1	1				N	5-6/8	85
DAC 05 H		D14J2		1-02 *		8									85
DAC 05 H				1						0	0	0	0	5-6/8 1400000000	85
DAC 06 H		B15J1		1-01 *		8		1	I				N	3-1/8	86
DAC 06 H		C14L1		1-02 *		8			I						86
DAC 06 H				1						0	0	0	0	3-1/8 1400000000	86
DC LOW L		B09R2		1-01 *		8		1	1				N	0-6/8	87
DC LOW L		B10R2		1-02 *		8		2	2				N	0-6/8	87
DC LOW L		B11R2		1-03 *		8		1	1				N	5-3/8	87
DC LOW L		D13N2		1-04 *		8									87
DC LOW L				1						0	0	0	0	6-7/8 1400000000	87
DIFF CTR 00 H		C14N1		1-01 *		8		1	1				N	1-7/8	88
DIFF CTR 00 H		D13M1		1-02 *		8									88
DIFF CTR 00 H				1						0	0	0	0	1-7/8 1400000000	88
DP TEST A L		D11A1				8								1-PIN RUN	89
DR AVAIL TO A H		B1282		1-01 *		8		1	1				N	2-6/8	90
DR AVAIL TO A H		C11R1		1-02 *		8									90
DR AVAIL TO A H				1						0	0	0	0	2-6/8 1400000000	90
DR AVAIL TO A L		A11M1		1-01 *		8		1	1				N	4-6/8	91
DR AVAIL TO A L		C12D1		1-02 *		8									91
DR AVAIL TO A L				1						0	0	0	0	4-6/8 1400000000	91
DR AVAIL TO B H		B12T2		1-01 *		8		1	1				N	2-7/8	92
DR AVAIL TO B H		C10R1		1-02 *		8									92
DR AVAIL TO B H				1						0	0	0	0	2-7/8 1400000000	92
DR AVAIL TO B L		A10M1		1-01 *		8		1	1				N	4-7/8	93
DR AVAIL TO B L		C12D2		1-02 *		8									93
DR AVAIL TO B L				1						0	0	0	0	4-7/8 1400000000	93
DR OFF TRACK H		C10D2		1-01 *		8		1	2				N	0-6/8	94
DR OFF TRACK H		C11D2		1-02 *		8		2	1				N	1-3/8	94
DR OFF TRACK H		C13F2		1-03 *		8									94
DR OFF TRACK H				1						0	0	0	0	2-1/8 1400000000	94
DR OFF TRACK L		A1081		1-01 *		8		1	2				N	0-6/8	95
DR OFF TRACK L		A1181		1-02 *		8		2	1				N	5	95
DR OFF TRACK L		C13L1		1-03 *		8									95
DR OFF TRACK L				1						0	0	0	0	5-6/8 1400000000	95
EN BRUSHES L		C09C1		1-01 *	K	8		1	1					5-3/8	96
EN BRUSHES L		D13V1		1-02 *		8									96
EN BRUSHES L				1						0	0	0	0	5-3/8 1400000000	96

RK06 DUAL PORT,J RUN NAME	VGWRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE	Z	C	10-Oct-77			10135 NC LENGTH	PAGE 10 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC EXTRA			
EN FWD SERVO L		B14H1		1-01 *		8		1	1				N	1-2/8	97
EN FWD SERVO L		B15P1		1-02 *		8									97
EN FWD SERVO L				1						0	0	0	0	1-2/8 1400000000	97
EN REV SERVO L		B14P2		1-01 *		8		1	1				N	1-3/8	98
EN REV SERVO L		C15A1		1-02 *		8									98
EN REV SERVO L				1						0	0	0	0	1-3/8 1400000000	98
EN VEL SM L		A14L2		1-01 *		8		1	I				N	0-6/8	99
EN VEL SM L		A15L2		1-02 *		8			I						99
EN VEL SM L				1						0	0	0	0	0-6/8 1400000000	99
ENLD/UNLD TACH L		A14E1		1-01 *		8		1	1				N	7-1/8	100
ENLD/UNLD TACH L		C15U2		1-02 *		8									100
ENLD/UNLD TACH L				1						0	0	0	0	7-1/8 1400000000	100
EVEN TRK FOLLOW L		B14E1		1-01 *		8		1	1				N	1-2/8	101
EVEN TRK FOLLOW L		B15K2		1-02 *		8									101
EVEN TRK FOLLOW L				1						0	0	0	0	1-2/8 1400000000	101
FAULT H		A09B1		1-01 *		8		2	1				N	6	102
FAULT H		C10E2		1-02 *		8		1	2				N	0-6/8	102
FAULT H		C11E2		1-03 *		8		2	1				N	1-7/8	102
FAULT H		B1382		1-04 *		8									102
FAULT H				1						0	0	0	0	0-5/8 1400000000	102
FAULT L		C1382		1-01 *		8		1	1				N	4-4/8	103
FAULT L		D14P2		1-02 *		8									103
FAULT L				1						0	0	0	0	4-4/8 1400000000	103
FINE TRACK DLD L		C16F2		1-01 *		8		1	1				N	3-4/8	104
FINE TRACK DLD L		D13F1		1-02 *		8									104
FINE TRACK DLD L				1						0	0	0	0	3-4/8 1400000000	104
FINE TRACK H		B1481		1-01 *		8		1	1				N	1-5/8	105
FINE TRACK H		B16U2		1-02 *		8									105
FINE TRACK H				1						0	0	0	0	1-5/8 1400000000	105
FINE TRACK L		C16A1				8								1-PIN RUN	106
FORMAT H		A1382		1-01 *		8		2	1				N	5-6/8	107
FORMAT H		C1181		1-02 *		8		1	2				N	0-6/8	107
FORMAT H		C1081		1-03 *		8									107
FORMAT H				1						0	0	0	0	6-4/8 1400000000	107
FWD H		B14F2		1-01 *		8		1	1				N	4-1/8	108
FWD H		C15T2		1-02 *		8									108
FWD H				1						0	0	0	0	4-1/8 1400000000	108

RK06 DUAL PORT,J		VGWRAP 35(102)-1 03-JUN-77								10-Oct-77		10:35		PAGE 11		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS	NUMBER	
GND		A09C2		1-01 * P		S		2	2						0-6/8	109
GND		A10C2		1-02 * P		S		2	2						0-6/8	109
GND		A11C2		1-03 * P		S		2	2						0-6/8	109
GND		A12C2		1-04 * P		S		2	2						0-6/8	109
GND		A13C2		1-05 * P		S		2	2						0-6/8	109
GND		A14C2		1-06 * P		S		2	2						0-6/8	109
GND		A15C2		1-07 * P		S		2	2						0-6/8	109
GND		A16C2		1-08 * P		S		2	2						3-2/8	109
GND		B14C2		1-09 * P		S		2	2						0-6/8	109
GND		B13C2		1-10 * P		S		2	2						0-6/8	109
GND		B12C2		1-11 * P		S		2	2						0-6/8	109
GND		B11C2		1-12 * P		S		2	2						0-6/8	109
GND		B10C2		1-13 * P		S		2	2						0-6/8	109
GND		B09C2		1-14 * P		S		2	2						3-6/8	109
GND		B16C2		1-15 * P		S		2	2						0-6/8	109
GND		B15C2	J00240	1-16 * P		S		2							0	109
GND		J00240	J00440	1-17 * P				1	I						1-1/8	109
GND		J00440	J00140	1-18 * P				1	I						1-1/8	109
GND		J00140	J00340	1-19 * P				1	I						1-1/8	109
GND		J00340		1-20 * P					I							109
GND				1						0	0	0	0		20-1/8 1400000000	109
GND A		C09F1		1-01 *		S		1	2					N	4-2/8	110
GND A		A09T1		1-02 * P		S		2	1						0-6/8	110
GND A		A10T1		1-03 * P		S		2	2						0-6/8	110
GND A		A11T1		1-04 * P		S		2	2						0-6/8	110
GND A		A12T1		1-05 * P		S		2	2						0-6/8	110
GND A		A13T1		1-06 * P		S		2	2						0-6/8	110
GND A		A14T1		1-07 * P		S		2	2						0-6/8	110
GND A		A15T1		1-08 * P		S		2	2						0-6/8	110
GND A		A16T1		1-09 * P		S		2	2						3-2/8	110
GND A		B14T1		1-10 * P		S		2	2						0-6/8	110
GND A		B13T1		1-11 * P		S		2	2						0-6/8	110
GND A		B12T1		1-12 * P		S		2	2						0-6/8	110
GND A		B11T1		1-13 * P		S		2	2						0-6/8	110
GND A		B10T1		1-14 * P		S		2	2						0-6/8	110
GND A		B09T1		1-15 * P		S		2	2						3-6/8	110
GND A		B16T1		1-16 * P		S		2	2						0-6/8	110
GND A		B15T1		1-17 * P		S		2	2						1-6/8	110
GND A		B13J1		1-18 * P		S										110
GND A				1						0	0	0	0		22-6/8 1400000000	110

RK06 DUAL PORT,J		VGWRAP 35(102)-1 03-JUN-77								10-Oct-77		10:35		PAGE 12		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH EXCEPTIONS	NUMBER	
GND B		B16C1		1-01 * P		S		2	1						0-4/8	111
GND B		B16D1		1-02 * P		S		2	2						0-4/8	111
GND B		B16E1		1-03 * P		S		2	2						0-4/8	111
GND B		B16F1		1-04 * P		S		2	2						0-4/8	111
GND B		B16H1		1-05 * P		S		2	2						0-4/8	111
GND B		B16J1		1-06 * P		S		2	2						0-4/8	111
GND B		B16K1		1-07 * P		S		2	2						0-4/8	111
GND B		B16L1		1-08 * P		S		2	2						0-4/8	111
GND B		B16M1		1-09 * P		S		2	2						0-4/8	111
GND B		B16N1		1-10 * P		S		2	2						0-4/8	111
GND B		B16P1		1-11 * P		S		2	2						0-4/8	111
GND B		B16R1		1-12 * P		S		2	2						0-4/8	111
GND B		B16S1		1-13 * P		S		2	2						1-2/8	111
GND B		C16C1		1-14 * P		S		2	2						0-4/8	111
GND B		C16D1		1-15 * P		S		2	2						0-4/8	111
GND B		C16E1		1-16 * P		S		2	2						0-4/8	111
GND B		C16F1		1-17 * P		S		2	2						0-4/8	111
GND B		C16H1		1-18 * P		S		2	2						0-4/8	111
GND B		C16J1		1-19 * P		S		2	2						0-4/8	111
GND B		C16K1		1-20 * P		S		2	2						0-4/8	111
GND B		C16L1		1-21 * P		S		2	2						0-4/8	111
GND B		C16M1		1-22 * P		S		2	2						0-4/8	111
GND B		C16N1		1-23 * P		S		2	2						0-4/8	111
GND B		C16P1		1-24 * P		S		2	2						0-4/8	111
GND B		C16R1		1-25 * P		S		2	2						0-4/8	111
GND B		C16S1		1-26 * P		S		2	2						2	111
GND B		D16H1		1-27 * P		S		2	2						0-4/8	111
GND B		D16F1		1-28 * P		S		2	2						0-4/8	111
GND B		D16H2		1-29 * P		S		2	2						0-4/8	111
GND B		D16J1		1-30 * P		S		2	2						0-4/8	111
GND B		D16K1		1-31 * P		S		2	2						0-4/8	111
GND B		D16L1		1-32 * P		S		2	2						0-4/8	111
GND B		D16H2		1-33 * P		S		2	2						0-4/8	111
GND B		D16H2		1-34 * P		S		2	2						0-4/8	111
GND B		D16R2		1-35 * P		S		2	2						0-6/8	111
GND B		D16S1		1-36 * P		S		2	2						0-4/8	111
GND B		D16R1		1-37 * P		S		2	2						0-4/8	111
GND B		D16P1		1-38 * P		S		2	2						0-4/8	111
GND B		D16N1		1-39 * P		S		2	2						0-4/8	111
GND B		D16M1		1-40 * P		S										111
GND B				1						0	0	0	0		22-0/8 1400000000	111

RK06 DUAL PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10135		PAGE 13			
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
GND C			C09T1		1-01 *	P	8		2	2					0-6/8		112
GND C			C10T1		1-02 *	P	8		2	2					0-6/8		112
GND C			C11T1		1-03 *	P	8		2	2					0-6/8		112
GND C			C12T1		1-04 *	P	8		2	2					0-6/8		112
GND C			C13T1		1-05 *	P	8		2	2					0-6/8		112
GND C			C14T1		1-06 *	P	8		2	2					0-6/8		112
GND C			C15T1		1-07 *	P	8		2	2					0-6/8		112
GND C			C16T1		1-08 *	P	8		2	2					3-2/8		112
GND C			D14T1		1-09 *	P	8		2	2					0-6/8		112
GND C			D13T1		1-10 *	P	8		2	2					0-6/8		112
GND C			D12T1		1-11 *	P	8		2	2					0-6/8		112
GND C			D11T1		1-12 *	P	8		2	2					0-6/8		112
GND C			D10T1		1-13 *	P	8		2	2					0-6/8		112
GND C			D09T1		1-14 *	P	8		2	2					3-6/8		112
GND C			D16T1		1-15 *	P	8		2	2					0-6/8		112
GND C			D15T1		1-16 *	P	8								16-6/8	1400000000	112
GND C					1						0	0	0	0			112
GND D			C09C2		1-01 *	P	8		2	2					0-6/8		113
GND D			C10C2		1-02 *	P	8		2	2					0-6/8		113
GND D			C11C2		1-03 *	P	8		2	2					0-6/8		113
GND D			C12C2		1-04 *	P	8		2	2					0-6/8		113
GND D			C13C2		1-05 *	P	8		2	2					0-6/8		113
GND D			C14C2		1-06 *	P	8		2	2					0-6/8		113
GND D			C15C2		1-07 *	P	8		2	2					0-6/8		113
GND D			C16C2		1-08 *	P	8		2	2					3-2/8		113
GND D			D14C2		1-09 *	P	8		2	2					0-6/8		113
GND D			D13C2		1-10 *	P	8		2	2					0-6/8		113
GND D			D12C2		1-11 *	P	8		2	2					0-6/8		113
GND D			D11C2		1-12 *	P	8		2	2					0-6/8		113
GND D			D10C2		1-13 *	P	8		2	2					0-6/8		113
GND D			D09C2		1-14 *	P	8		2	2					3-6/8		113
GND D			D16C2		1-15 *	P	8		2	2					0-6/8		113
GND D			D15C2		1-16 *	P	8								16-6/8	1400000000	113
GND D					1						0	0	0	0			113
ND P0 L			A14C1		1-01 *		8		1	1					N 0-7/8		114
ND 00 L			D09E1		1-02 *		8								N 0-7/8	1400000000	114
ND 00 L					1						0	0	0	0			114
ND 01 L			A1402		1-01 *		8		1	1					N 0-1/8		115
ND 01 L			D09M2		1-02 *		8								N 0-1/8	1400000000	115
ND 01 L					1						0	0	0	0			115
ND 02 L			A14D1		1-01 *		8		1	1					N 0-7/8		116
ND 02 L			D09P2		1-02 *		8								N 0-7/8	1400000000	116
ND 02 L					1						0	0	0	0			116
ND LD SERVO M			A16T2		1-01 *		8		2	2					N 1-7/8		117
ND LD SERVO M			B14B1		1-02 *		8		1	1					N 4-5/8		117
ND LD SERVO M			C16B2		1-03 *		8								N 4-5/8		117
ND LD SERVO M					1						0	0	0	0			117
HEAD LD 01			C09P2		1-01 *		8		1	1					N 3-3/8		118
HEAD LD 01			C15P2		1-02 *		8								N 3-3/8	1400000000	118
HEAD LD 01					1						0	0	0	0			118

RK06 DUAL PORT,J		VGWRAP 35(102)-1		03-JUN-77				10-Oct-77		10135		PAGE 14				
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE TYPE	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
HEAD LD 02		A15U2		1-01 *		8		1	1					N 6		119
HEAD LD 02		C09P2		1-02 *		8										119
HEAD LD 02				1						0	0	0	0	6-0/8	1400000000	119
HEAD LD COMMON		C09B2		1-01 *		8		1	1					N 3-2/8		120
HEAD LD COMMON		C15V1		1-02 *		8										120
HEAD LD COMMON				1						0	0	0	0	3-2/8	1400000000	120
HIGH HYSTERESIS L		B16T2		1-01 *		8		1	1					N 1-6/8		121
HIGH HYSTERESIS L		C14B1		1-02 *		8										121
HIGH HYSTERESIS L				1						0	0	0	0	1-6/8	1400000000	121
HOME M		B14K1		1-01 *		8		1	1					N 4-5/8		122
HOME M		D13A1		1-02 *		8		2	2					N 3-4/8		122
HOME M		B11V1		1-03 *		8		1	1					N 0-6/8		122
HOME M		B10V1		1-04 *		8										122
HOME M				1						0	0	0	0	0-7/8	1400000000	122
HOME L		C09M2		1-01 *		8		2	2					N 3-1/8		123
HOME L		C14B2		1-02 *		8		1	1					N 4		123
HOME L		D15K2		1-03 *		8		2	2					N 1-6/8		123
HOME L		D13U2	B12K2	1-04 *		8		1						N 6-5/8		123
HOME L		B12K2		1-05 *		8										123
HOME L				1						0	0	0	0	15-4/8	1400000000	123
HOME LOCK RELEASE L		C09M2		1-01 *	K	8		1	1					4-2/8		124
HOME LOCK RELEASE L		D13T2		1-02 *		8										124
HOME LOCK RELEASE L				1						0	0	0	0	4-2/8	1400000000	124
HOME+CLR ERR L		C13K1		1-01 *		8		1	1					N 3-1/8		125
HOME+CLR ERR L		D15J1		1-02 *		8										125
HOME+CLR ERR L				1						0	0	0	0	3-1/8	1400000000	125
ILF M		C10C1		1-01 *		8		1	2					N 0-6/8		126
ILF M		C11C1		1-02 *		8		2	1					N 2-5/8		126
ILF M		C13V2		1-03 *		8										126
ILF M				1						0	0	0	0	3-3/8	1400000000	126
IND/SEC SIGA	H	J00134		1-01 *	H	8	219	1		-TNP				4-2/8		127
IND/SEC SIGA	H	D11M2		1-02 *	H	8	219	2		-TNP				2-5/8		127
IND/SEC SIGA	H	J00234		1-03 *	T	8	T 219			-TNP						127
IND/SEC SIGA	H			1						0	0	0	0	6-7/8	1400000000	127
IND/SEC SIGA	L	J00133		1-01 *	D	8	219	1		+TNP				4-7/8		128
IND/SEC SIGA	L	C11T2		1-02 *	D	8	219	2		+TNP				3-4/8		128
IND/SEC SIGA	L	J00233		1-03 *	T	8	T 219			+TNP						128
IND/SEC SIGA	L			1						0	0	0	0	0-3/8	1400000000	128
IND/SEC SIGB	H	J00334		1-01 *	H	8	219	1		-TNP				4-4/8		129
IND/SEC SIGB	H	D10M2		1-02 *	H	8	219	2		-TNP				2-7/8		129
IND/SEC SIGB	H	J00434		1-03 *	T	8	T 219			-TNP						129
IND/SEC SIGB	H			1						0	0	0	0	7-3/8	1400000000	129

RK06 DUAL PORT.J		VGMREP 35(102)-1		03-JUN-77						10-Oct-77		10135		PAGE 15		
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	RUN NUMBER
IND/SEC STGB	L	J00333		1-01 *	D	S	219	1		+TWP				5 /8		130
IND/SEC STGB	L	C10T2		1-02 *	D	S	219	2		+TWP				3-6/8		130
IND/SEC STGB	L	J00433		1-03 *	T	S	T 219			-TWP						130
IND/SEC STGB	L			1						0	0	0	0	0-7/8	1400000000	130
INDEX SECTOR H		B13F2		1-01 *		S		2	1					N 4-3/8		131
INDEX SECTOR H		C11V2		1-02 *		S		1	2					N 0-6/8		131
INDEX SECTOR H		C10V2		1-03 *		S										131
INDEX SECTOR H				1						0	0	0	0	5-1/8	1400000000	131
INIT SIGA	H	J00136		1-01 *	H	S	219	1		-TWP				4-2/8		132
INIT SIGA	H	D11P2		1-02 *	H	S	219	2		-TWP				2-5/8		132
INIT SIGA	H	J00236		1-03 *	T	S	T 219			-TWP						132
INIT SIGA	H			1						0	0	0	0	6-7/8	1400000000	132
INIT SIGA	L	J00135		1-01 *	D	S	219	1		+TWP				4-4/8		133
INIT SIGA	L	D11P2		1-02 *	D	S	219	2		+TWP				2-7/8		133
INIT SIGA	L	J00235		1-03 *	T	S	T 219			+TWP						133
INIT SIGA	L			1						0	0	0	0	7-3/8	1400000000	133
INIT SIGB	H	J00336		1-01 *	H	S	219	1		-TWP				4-4/8		134
INIT SIGB	H	D10P2		1-02 *	H	S	219	2		-TWP				3		134
INIT SIGB	H	J00436		1-03 *	T	S	T 219			-TWP						134
INIT SIGB	H			1						0	0	0	0	7-4/8	1400000000	134
INIT SIGB	L	J00335		1-01 *	D	S	219	1		+TWP				4-6/8		135
INIT SIGB	L	D10P2		1-02 *	D	S	219	2		+TWP				3-2/8		135
INIT SIGB	L	J00435		1-03 *	T	S	T 219			+TWP						135
INIT SIGB	L			1						0	0	0	0	0-0/8	1400000000	135
INNER LIMIT H		B14U1		1-01 *		S		1	1					N 3-6/8		136
INNER LIMIT H		D15U1		1-02 *		S										136
INNER LIMIT H				1						0	0	0	0	3-6/8	1400000000	136
INNER LIMIT L		C15V2		1-01 *		S		1	1					N 3-5/8		137
INNER LIMIT L		B14W1		1-02 *		S										137
INNER LIMIT L				1						0	0	0	0	3-5/8	1400000000	137
INP SEEK COMM L		C13D1		1-01 *		S		1	1					N 3		138
INP SEEK COMM L		D14A1		1-02 *		S										138
INP SEEK COMM L				1						0	0	0	0	3-0/8	1400000000	138
INP WRT GATE A L		A11V2		1-01 *		S		1	1					N 3-7/8		139
INP WRT GATE A L		C12E1		1-02 *		S										139
INP WRT GATE A L				1						0	0	0	0	3-7/8	1400000000	139
INP WRT GATE B L		A10V2		1-01 *		S		1	2					N 4		140
INP WRT GATE B L		C12E2		1-02 *		S										140
INP WRT GATE B L				1						0	0	0	0	4-0/8	1400000000	140
INP WRT GATE L		C12F1		1-01 *		S		1	1					N 4-5/8		141
INP WRT GATE L		D14V1		1-02 *		S		2	2					N 5-2/8		141
INP WRT GATE L		C13A1		1-03 *		S										141
INP WRT GATE L				1						0	0	0	0	9-7/8	1400000000	141

RK06 DUAL PORT,J		VGMREP 35(102)-1		03-JUN-77						10-Oct-77		10135		PAGE 16		
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	S	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	RUN NUMBER
INVALID ADDRESS H		B10N1		1-01 *		S		1	1					N 0-6/8		142
INVALID ADDRESS H		B11N1		1-02 *		S		2	2					N 1-2/8		142
INVALID ADDRESS H		B13B1		1-03 *		S										142
INVALID ADDRESS H				1						0	0	0	0	2-0/8	1400000000	142
LD HDS H		B14D2		1-01 *		S		1	1					N 5-7/8		143
LD HDS H		D15H2		1-02 *		S		2	2					N 2-1/8		143
LD HDS H		C13U1		1-03 *		S										143
LD HDS H				1						0	0	0	0	0-0/8	1400000000	143
LD HDS L		A14P2		1-01 *		S		1	1					N 2-7/8		144
LD HDS L		B16L2		1-02 *		S										144
LD HDS L				1						0	0	0	0	2-7/8	1400000000	144
LD HDS+UNLD HDS+RTZ L		B13T2		1-01 *		S		1	1					N 3		145
LD HDS+UNLD HDS+RTZ L		C14U2		1-02 *		S		2	2					N 2-4/8		145
LD HDS+UNLD HDS+RTZ L		D15W2		1-03 *		S										145
LD HDS+UNLD HDS+RTZ L				1						0	0	0	0	5-4/8	1400000000	145
LID LOCKED H		B14L1		1-01 *		S		1	1					N 5		146
LID LOCKED H		D13E2		1-02 *		S										146
LID LOCKED H				1						0	0	0	0	5-0/8	1400000000	146
LID LOCKED L		B09F2		1-01 *		S		1	1					N 6-3/8		147
LID LOCKED L		D13I2		1-02 *		S										147
LID LOCKED L				1						0	0	0	0	6-3/8	1400000000	147
LID LOCKED SOL L		B09E1		1-01 *		S		1	1					N 6-4/8		148
LID LOCKED SOL L		D13L1		1-02 *		S										148
LID LOCKED SOL L				1						0	0	0	0	6-4/8	1400000000	148
LIM H		B13U2		1-01 *		S		2	1					N 1-4/8		149
LIM H		C15D1		1-02 *		S		1	2					N 4-6/8		149
LIM H		A14W1		1-03 *		S										149
LIM H				1						0	0	0	0	6-2/8	1400000000	149
LIM L		C13E1		1-01 *		S		1	1					N 1-5/8		150
LIM L		C15H2		1-02 *		S										150
LIM L				1						0	0	0	0	1-5/8	1400000000	150
MESS A A PAP H		A11N2		1-01 *		S		1	1					N 6-1/8		151
MESS A A PAP H		C12U1		1-02 *		S										151
MESS A A PAP H				1						0	0	0	0	6-1/8	1400000000	151
MESS A B PAP H		A10N2		1-01 *		S		1	2					N 6-2/8		152
MESS A B PAP H		C12U2		1-02 *		S										152
MESS A B PAP H				1						0	0	0	0	6-2/8	1400000000	152
MESS A PAP H		A14P1		1-01 *		S		1	1					N 7-6/8		153
MESS A PAP H		D12A1		1-02 *		S										153
MESS A PAP H				1						0	0	0	0	7-6/8	1400000000	153
MESS B A PAP H		A1102		1-01 *		S		1	2					N 5-7/8		154
MESS B A PAP H		C12V1		1-02 *		S										154
MESS B A PAP H				1						0	0	0	0	5-7/8	1400000000	154

RK06 DUAL PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:35		PAGE 17		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	
MESS B B PAR H		A1082		1-01 *		S		1	1					N 6		155
MESS B B PAR H		C12V2		1-02 *		S										155
MESS B B PAR H				1						0	0	0	0	6-0/0	1400000000	155
MESS B PAR H		D12B1		1-01 *		S		1	1					N 7-1/8		156
MESS B PAR H		A13M1		1-02 *		S		2	2					N 4-6/8		156
MESS B PAR H		C14D1		1-03 *		S				0	0	0	0	11-7/8	1400000000	156
MESS B PAR H				1												156
MESS LINE A SIGA	H	J00106		1-01 * H		S	219	1		-TWP				6		157
MESS LINE A SIGA	H	B11J2		1-02 * H		S	219	2		-TWP				5		157
MESS LINE A SIGA	H	J00206		1-03 * T		S	T 219			-TWP						157
MESS LINE A SIGA	H			1						0	0	0	0	11-0/8	1400000000	157
MESS LINE A SIGA	L	J00105		1-01 * D		S	219	1		+TWP				8		158
MESS LINE A SIGA	L	A11K2		1-02 * D		S	219	2		+TWP				7-3/8		158
MESS LINE A SIGA	L	J00205		1-03 * T		S	T 219			+TWP						158
MESS LINE A SIGA	L			1						0	0	0	0	15-3/8	1400000000	158
MESS LINE A SIGB	H	J00306		1-01 * H		S	219	1		-TWP				6-2/8		159
MESS LINE A SIGB	H	B10J2		1-02 * H		S	219	2		-TWP				5-1/8		159
MESS LINE A SIGB	H	J00406		1-03 * T		S	T 219			-TWP						159
MESS LINE A SIGB	H			1						0	0	0	0	11-3/8	1400000000	159
MESS LINE A SIGB	L	J00305		1-01 * D		S	219	1		+TWP				8-2/8		160
MESS LINE A SIGB	L	A11K2		1-02 * D		S	219	2		+TWP				7-4/8		160
MESS LINE A SIGB	L	J00405		1-03 * T		S	T 219			+TWP						160
MESS LINE A SIGB	L			1						0	0	0	0	15-6/8	1400000000	160
MESS LINE B SIGA	H	J00112		1-01 * H		S	219	1		-TWP				5-7/8		161
MESS LINE B SIGA	H	B11K1		1-02 * H		S	219	2		-TWP				5		161
MESS LINE B SIGA	H	J00212		1-03 * T		S	T 219			-TWP						161
MESS LINE B SIGA	H			1						0	0	0	0	10-7/8	1400000000	161
MESS LINE B SIGA	L	J00111		1-01 * D		S	219	1		+TWP				7-6/8		162
MESS LINE B SIGA	L	A11P1		1-02 * D		S	219	2		+TWP				7		162
MESS LINE B SIGA	L	J00211		1-03 * T		S	T 219			+TWP						162
MESS LINE B SIGA	L			1						0	0	0	0	14-6/8	1400000000	162
MESS LINE B SIGB	H	J00312		1-01 * H		S	219	1		-TWP				6		163
MESS LINE B SIGB	H	B10K1		1-02 * H		S	219	2		-TWP				5-1/8		163
MESS LINE B SIGB	H	J00412		1-03 * T		S	T 219			-TWP						163
MESS LINE B SIGB	H			1						0	0	0	0	11-1/8	1400000000	163
MESS LINE B SIGB	L	J00311		1-01 * D		S	219	1		+TWP				7-7/8		164
MESS LINE B SIGB	L	A10P1		1-02 * D		S	219	2		+TWP				7-1/8		164
MESS LINE B SIGB	L	J00411		1-03 * T		S	T 219			+TWP						164
MESS LINE B SIGB	L			1						0	0	0	0	15-0/8	1400000000	164
MOVE H		B13P2		1-01 *		S		1	2					N 0-7/8		165
MOVE H		B14B2		1-02 *		S		2	1					N 4		165
MOVE H		D15C1		1-03 *		S										165
MOVE H				1						0	0	0	0	4-7/8	1400000000	165

RK06 DUAL PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:35		PAGE 18		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	
MOVE L		C13C1		1-01 *		S		1	1					N 5		166
MOVE L		D14V2		1-02 *		S										166
MOVE L				1						0	0	0	0	5-0/8	1400000000	166
MULT DR SEL A H		B11P2		1-01 *		S		1	1					N 2-1/8		167
MULT DR SEL A H		C12H1		1-02 *		S										167
MULT DR SEL A H				1						0	0	0	0	2-1/8	1400000000	167
MULT DR SEL B H		B10P2		1-01 *		S		1	1					N 2-3/8		168
MULT DR SEL B H		C12H2		1-02 *		S										168
MULT DR SEL B H				1						0	0	0	0	2-3/8	1400000000	168
MULT DR SEL H		B13H2		1-01 *		S		1	1					N 2-6/8		169
MULT DR SEL H		C12F2		1-02 *		S										169
MULT DR SEL H				1						0	0	0	0	2-6/8	1400000000	169
MULT DRI SEL SIGA	H	J00130		1-01 * H		S	219	1		-TWP				4-3/8		170
MULT DRI SEL SIGA	H	D11T2		1-02 * H		S	219	2		-TWP				2-7/8		170
MULT DRI SEL SIGA	H	J00230		1-03 * T		S	T 219			-TWP						170
MULT DRI SEL SIGA	H			1						0	0	0	0	7-2/8	1400000000	170
MULT DRI SEL SIGA	L	J00137		1-01 * D		S	219	1		+TWP				4-3/8		171
MULT DRI SEL SIGA	L	D11U2		1-02 * D		S	219	2		+TWP				2-7/8		171
MULT DRI SEL SIGA	L	J00237		1-03 * T		S	T 219			+TWP						171
MULT DRI SEL SIGA	L			1						0	0	0	0	7-2/8	1400000000	171
MULT DRI SEL SIGB	H	J00337		1-01 * H		S	219	1		-TWP				4-6/8		172
MULT DRI SEL SIGB	H	D10U2		1-02 * H		S	219	2		-TWP				3-1/8		172
MULT DRI SEL SIGB	H	J00437		1-03 * T		S	T 219			-TWP						172
MULT DRI SEL SIGB	H			1						0	0	0	0	7-7/8	1400000000	172
MULT DRI SEL SIGB	L	J00330		1-01 * D		S	219	1		+TWP				4-6/8		173
MULT DRI SEL SIGB	L	D10T2		1-02 * D		S	219	2		+TWP				3-1/8		173
MULT DRI SEL SIGB	L	J00430		1-03 * T		S	T 219			+TWP						173
MULT DRI SEL SIGB	L			1						0	0	0	0	7-7/8	1400000000	173
MUX A1 L		D12F1		1-01 *		S		1	2					N 5-4/8		174
MUX A1 L		B14J2		1-02 *		S										174
MUX A1 L				1						0	0	0	0	5-4/8	1400000000	174
MUX A2 L		D12F2		1-01 *		S		1	2					N 4-1/8		175
MUX A2 L		B14V1		1-02 *		S										175
MUX A2 L				1						0	0	0	0	4-1/8	1400000000	175
MUX A3 L		D12H1		1-01 *		S		1	2					N 7-1/8		176
MUX A3 L		A14U2		1-02 *		S										176
MUX A3 L				1						0	0	0	0	7-1/8	1400000000	176
MUX B1 L		D12H2		1-01 *		S		1	2					N 7-7/8		177
MUX B1 L		A13L1		1-02 *		S										177
MUX B1 L				1						0	0	0	0	7-7/8	1400000000	177
MUX B2 L		D12J1		1-01 *		S		1	2					N 3-1/8		178
MUX B2 L		C14L2		1-02 *		S										178
MUX B2 L				1						0	0	0	0	3-1/8	1400000000	178

RK06 DUAL PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE OPT FLAG	Z	C	10-Oct-77				10133 NC LENGTH	PAGE 19 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA			
MUX B3 L		D12J2		1-01 *			S		1	2				N	0-2/8	179
MUX B3 L		A14K2		1-02 *			S									179
MUX B3 L				1						0	0	0	0		0-2/8 1400000000	179
ODD TRK FOLLOW L		B14F1		1-01 *			S		1	1				N	1-3/8	180
ODD TRK FOLLOW L		B15N2		1-02 *			S									180
ODD TRK FOLLOW L				1						0	0	0	0		1-3/8 1400000000	180
OFFSET CL L		C13M1		1-01 *			S		1	1				N	3-7/8	181
OFFSET CL L		D14U2		1-02 *			S									181
OFFSET CL L				1						0	0	0	0		3-7/8 1400000000	181
OFFSET COMM L		C13M2		1-01 *			S		1	1				N	3-6/8	182
OFFSET COMM L		D14U1		1-02 *			S									182
OFFSET COMM L				1						0	0	0	0		3-6/8 1400000000	182
OFFSET FWD L		B15U1		1-01 *			S		1	1				N	2-7/8	183
OFFSET FWD L		C14U1		1-02 *			S									183
OFFSET FWD L				1						0	0	0	0		2-7/8 1400000000	183
OFFSET H		D15L1		1-01 *			S		2	2				N	3-5/8	184
OFFSET H		C10W2		1-02 *			S		1	1				N	0-6/8	184
OFFSET H		C11W2		1-03 *			S		2	2				N	3-7/8	184
OFFSET H		D14T2		1-04 *			S									184
OFFSET H				1						0	0	0	0		0-2/8 1400000000	184
OFFSET L		C15J2		1-01 *			S		1	1				N	4	185
OFFSET L		D14S2		1-02 *			S									185
OFFSET L				1						0	0	0	0		4-0/8 1400000000	185
OFFSET REV L		B15V1		1-01 *			S		1	1				N	2-4/8	186
OFFSET REV L		C14S1		1-02 *			S									186
OFFSET REV L				1						0	0	0	0		2-4/8 1400000000	186
ONE TRK H		A14B1		1-01 *			S		1	1				N	4	187
ONE TRK H		B13L2		1-02 *			S		2	2				N	4-4/8	187
ONE TRK H		D15A1		1-03 *			S									187
ONE TRK H				1						0	0	0	0		0-4/8 1400000000	187
OUT EN A L		A12P1		1-01 *			S		1	1				N	1-7/8	188
OUT EN A L		B11C1		1-02 *			S									188
OUT EN A L				1						0	0	0	0		1-7/8 1400000000	188
OUT EN B L		A12P2		1-01 *			S		1	1				N	2-2/8	189
OUT EN B L		B10C1		1-02 *			S									189
OUT EN B L				1						0	0	0	0		2-2/8 1400000000	189
OUTER LIMIT H		B14R1		1-01 *			S		1	1				N	4-4/8	190
OUTER LIMIT H		D15E2		1-02 *			S									190
OUTER LIMIT H				1						0	0	0	0		4-4/8 1400000000	190
OUTER LIMIT L		B14T2		1-01 *			S		1	1				N	4	191
OUTER LIMIT L		D15D1		1-02 *			S									191
OUTER LIMIT L				1						0	0	0	0		4-0/8 1400000000	191

RK06 DUAL PORT,J RUN NAME	VGNRAP 35(102)-1 03-JUN-77				Q	DRAW	MODULE TYPE OPT FLAG	Z	C	10-Oct-77				10133 NC LENGTH	PAGE 20 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER						LOADING HIGH	LOW	AC	EXTRA			
PAR ERR A L		B11L2		1-01 *			S		1	2				N	1-7/8	192
PAR ERR A L		C12B2		1-02 *			S									192
PAR ERR A L				1						0	0	0	0		1-7/8 1400000000	192
PAR ERR B L		B10L2		1-01 *			S		1	1				N	2	193
PAR ERR B L		C12C1		1-02 *			S									193
PAR ERR B L				1						0	0	0	0		2-0/8 1400000000	193
PAR ERR L		B12F2		1-01 *			S		1	1				N	1-3/8	194
PAR ERR L		B13K2		1-02 *			S									194
PAR ERR L				1						0	0	0	0		1-3/8 1400000000	194
PIP H		C10F2		1-01 *			S		1	1				N	0-6/8	195
PIP H		C11F2		1-02 *			S		2	2				N	1-3/8	195
PIP H		C13P1		1-03 *			S		1	1				N	3-3/8	195
PIP H		D15P2		1-04 *			S									195
PIP H				1						0	0	0	0		5-4/8 1400000000	195
PIP L		C13N2		1-01 *			S		1	1				N	2-7/8	196
PIP L		D14M1		1-02 *			S									196
PIP L				1						0	0	0	0		2-7/8 1400000000	196
PLO ERR L		A16L2					S								1-PIN RUN	197
POLL0 SIGA	H	J00120		1-01 *	H	A	219	1		-TWP					4-6/8	198
POLL0 SIGA	H	C11K1		1-02 *	H	S	219	2		-TWP					3-4/8	198
POLL0 SIGA	H	J00220		1-03 *	T	S	T 219			-TWP						198
POLL0 SIGA	H			1						0	0	0	0		0-2/8 1400000000	198
POLL0 SIGA	L	J00127		1-01 *	D	S	219	1		+TWP					5	199
POLL0 SIGA	L	C11H1		1-02 *	D	S	219	2		+TWP					3-6/8	199
POLL0 SIGA	L	J00227		1-03 *	T	S	T 219			+TWP						199
POLL0 SIGA	L			1						0	0	0	0		0-6/8 1400000000	199
POLL0 SIGB	H	J00320		1-01 *	H	S	219	1		-TWP					5	200
POLL0 SIGB	H	C10K1		1-02 *	H	S	219	2		-TWP					3-6/8	200
POLL0 SIGB	H	J00420		1-03 *	T	S	T 219			-TWP						200
POLL0 SIGB	H			1						0	0	0	0		0-6/8 1400000000	200
POLL0 SIGB	L	J00327		1-01 *	D	S	219	1		+TWP					5-2/8	201
POLL0 SIGB	L	C10H1		1-02 *	D	S	219	2		+TWP					4	201
POLL0 SIGB	L	J00427		1-03 *	T	S	T 219			+TWP						201
POLL0 SIGB	L			1						0	0	0	0		9-2/8 1400000000	201
POLL1 SIGA	H	J00126		1-01 *	H	S	219	1		-TWP					6-1/8	202
POLL1 SIGA	H	B11M1		1-02 *	H	S	219	2		-TWP					5-3/8	202
POLL1 SIGA	H	J00226		1-03 *	T	S	T 219			-TWP						202
POLL1 SIGA	H			1						0	0	0	0		11-4/8 1400000000	202
POLL1 SIGA	L	J00125		1-01 *	D	S	219	1		+TWP					6-3/8	203
POLL1 SIGA	L	B11L1		1-02 *	D	S	219	2		+TWP					5-4/8	203
POLL1 SIGA	L	J00225		1-03 *	T	S	T 219			+TWP						203
POLL1 SIGA	L			1						0	0	0	0		11-7/8 1400000000	203

RK06 DUAL PORT.J		VGWRAP 35(102)-1 03-JUN-77				10-Oct-77										PAGE 21		RUN NUMBER
RUN NAME		A/P	PIN	ORDER	BAY -	Q	DRAW	MODULE	TYPE	Z	C	LOADING	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	
			NAME	PIN	ORDER		OPT	FLAG				HIGH				FLAG		
POLL1 SIGB		H	J00326		1-01 *	H	S		219	1		-TWP				6-3/8		204
POLL1 SIGB		H	B10M1		1-02 *	H	S		219	2		-TWP				5-4/8		204
POLL1 SIGB		H	J00426		1-03 *	T	S	T	219			-TWP						204
POLL1 SIGB		H			1							0	0	0	0	11-7/8	14000000000	204
POLL1 SIGB		L	J00325		1-01 *	D	S		219	1		+TWP				6-5/8		205
POLL1 SIGB		L	B10L1		1-02 *	D	S		219	2		+TWP				5-6/8		205
POLL1 SIGB		L	J00425		1-03 *	T	S	T	219			+TWP						205
POLL1 SIGB		L			1							0	0	0	0	12-3/8	14000000000	205
POLL2 SIGA		H	J00124		1-01 *	H	S		219	1		-TWP				7-6/8		206
POLL2 SIGA		H	A11V1		1-02 *	H	S		219	2		-TWP				7		206
POLL2 SIGA		H	J00224		1-03 *	T	S	T	219			-TWP						206
POLL2 SIGA		H			1							0	0	0	0	14-6/8	14000000000	206
POLL2 SIGA		L	J00123		1-01 *	D	S		219	1		+TWP				7-7/8		207
POLL2 SIGA		L	A11U1		1-02 *	D	S		219	2		+TWP				7-1/8		207
POLL2 SIGA		L	J00223		1-03 *	T	S	T	219			+TWP						207
POLL2 SIGA		L			1							0	0	0	0	15-0/8	14000000000	207
POLL2 SIGB		H	J00324		1-01 *	H	S		219	1		-TWP				7-7/8		208
POLL2 SIGB		H	A10V1		1-02 *	H	S		219	2		-TWP				7-1/8		208
POLL2 SIGB		H	J00424		1-03 *	T	S	T	219			-TWP						208
POLL2 SIGB		H			1							0	0	0	0	15-0/8	14000000000	208
POLL2 SIGB		L	J00323		1-01 *	D	S		219	1		+TWP				8		209
POLL2 SIGB		L	A10U1		1-02 *	D	S		219	2		+TWP				7-2/8		209
POLL2 SIGB		L	J00423		1-03 *	T	S	T	219			+TWP						209
POLL2 SIGB		L			1							0	0	0	0	15-2/8	14000000000	209
POLLED ATT SIGA		H	J00122		1-01 *	H	S		219	1		-TWP				4-3/8		210
POLLED ATT SIGA		H	C11P1		1-02 *	H	S		219	2		-TWP				3		210
POLLED ATT SIGA		H	J00222		1-03 *	T	S	T	219			-TWP						210
POLLED ATT SIGA		H			1							0	0	0	0	7-3/8	14000000000	210
POLLED ATT SIGA		L	J00121		1-01 *	D	S		219	1		+TWP				4-5/8		211
POLLED ATT SIGA		L	C11N1		1-02 *	D	S		219	2		+TWP				3-2/8		211
POLLED ATT SIGA		L	J00221		1-03 *	T	S	T	219			+TWP						211
POLLED ATT SIGA		L			1							0	0	0	0	7-7/8	14000000000	211
POLLED ATT SIGB		H	J00322		1-01 *	H	S		219	1		-TWP				4-5/8		212
POLLED ATT SIGB		H	C10P1		1-02 *	H	S		219	2		-TWP				3-2/8		212
POLLED ATT SIGB		H	J00422		1-03 *	T	S	T	219			-TWP						212
POLLED ATT SIGB		H			1							0	0	0	0	7-7/8	14000000000	212
POLLED ATT SIGB		L	J00321		1-01 *	D	S		219	1		+TWP				4-7/8		213
POLLED ATT SIGB		L	C10N1		1-02 *	D	S		219	2		+TWP				3-4/8		213
POLLED ATT SIGB		L	J00421		1-03 *	T	S	T	219			+TWP						213
POLLED ATT SIGB		L			1							0	0	0	0	8-3/8	14000000000	213
POLLED IND/SEC SIGA		H	J00110		1-01 *	H	S		219	1		-TWP				4-3/8		214
POLLED IND/SEC SIGA		H	D11U1		1-02 *	H	S		219	2		-TWP				3		214
POLLED IND/SEC SIGA		H	J00210		1-03 *	T	S	T	219			-TWP						214
POLLED IND/SEC SIGA		H			1							0	0	0	0	7-3/8	14000000000	214

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RUN NAME		A/P	PIN	ORDER	BAY -	Q	DRAW	MODULE	TYPE	Z	C	LOADING	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	
			NAME	PIN	ORDER		OPT	FLAG				HIGH				FLAG		
POLLED IND/SEC SIGA		L	J00117		1-01 *	D	S		219	1		+TWP				4-2/8		215
POLLED IND/SEC SIGA		L	D11L1		1-02 *	D	S		219	2		+TWP				2-6/8		215
POLLED IND/SEC SIGA		L	J00217		1-03 *	T	S	T	219			+TWP						215
POLLED IND/SEC SIGA		L			1							0	0	0	0	7-0/8	14000000000	215
POLLED IND/SEC SIGB		H	J00310		1-01 *	H	S		219	1		-TWP				4-5/8		216
POLLED IND/SEC SIGB		H	D10U1		1-02 *	H	S		219	2		-TWP				3-2/8		216
POLLED IND/SEC SIGB		H	J00410		1-03 *	T	S	T	219			-TWP						216
POLLED IND/SEC SIGB		H			1							0	0	0	0	7-7/8	14000000000	216
POLLED IND/SEC SIGB		L	J00317		1-01 *	D	S		219	1		+TWP				4-5/8		217
POLLED IND/SEC SIGB		L	D10L1		1-02 *	D	S		219	2		+TWP				3		217
POLLED IND/SEC SIGB		L	J00417		1-03 *	T	S	T	219			+TWP						217
POLLED IND/SEC SIGB		L			1							0	0	0	0	7-5/8	14000000000	217
PORT 'A' USING DRIVE L			D12S1		1-01 *		S				1					N	9-4/8	218
PORT 'A' USING DRIVE L			A09F2		1-02 *		S											218
PORT 'A' USING DRIVE L					1							0	0	0	0	9-4/8	14000000000	218
PORT 'B' ADDR INV SW L			D12U1		1-01 *		S				1					N	2-4/8	219
PORT 'B' ADDR INV SW L			D10A1		1-02 *		S											219
PORT 'B' ADDR INV SW L					1							0	0	0	0	2-4/8	14000000000	219
PORT 'B' USING DRIVE L			D12S2		1-01 *		S				1					N	9-5/8	220
PORT 'B' USING DRIVE L			A09E2		1-02 *		S											220
PORT 'B' USING DRIVE L					1							0	0	0	0	9-5/8	14000000000	220
PORT A MUX A L			A11D1		1-01 *		S				1	1				N	8-7/8	221
PORT A MUX A L			D12K1		1-02 *		S											221
PORT A MUX A L					1							0	0	0	0	8-7/8	14000000000	221
PORT A MUX B L			A11J1		1-01 *		S				1	1				N	8-4/8	222
PORT A MUX B L			D12K2		1-02 *		S											222
PORT A MUX B L					1							0	0	0	0	8-4/8	14000000000	222
PORT B MUX A L			A10D1		1-01 *		S				1	1				N	9-1/8	223
PORT B MUX A L			D12L1		1-02 *		S											223
PORT B MUX A L					1							0	0	0	0	9-1/8	14000000000	223
PORT B MUX B L			A16J1		1-01 *		S				1	1				N	8-5/8	224
PORT B MUX B L			D12L2		1-02 *		S											224
PORT B MUX B L					1							0	0	0	0	8-5/8	14000000000	224
POS TE L			C16J2		1-01 *		S				1	1				N	3-2/8	225
POS TE L			D15K1		1-02 *		S											225
POS TE L					1							0	0	0	0	3-2/8	14000000000	225
PWR UP L			A12A1		1-01 *		S				2	2				N	5-1/8	226
PWR UP L			B11V2		1-02 *		S				1	1				N	8-6/8	226
PWR UP L			B10V2		1-03 *		S									N	4-7/8	226
PWR UP L			D13M1		1-04 *		S				2	2						226
PWR UP L					1							0	0	0	0	10-6/8	14000000000	226

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RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER
QUAL L			A09M2		1-01 *		S		1	1					N	6		227
QUAL L			C13N1		1-02 *		S		2	2					N	2-1/8		227
QUAL L			C10M2		1-03 *		S		1	1					N	0-6/8		227
QUAL L			C11B2		1-04 *		S											227
QUAL L					1						0	0	0	0		0-7/8	1400000000	227
RD DATA 01 L			A11F1		1-01 *		S		1	2					N	0-6/8		228
RD DATA 01 L			A10F1		1-02 *		S		2	1					N	7		228
RD DATA 01 L			C09U1		1-03 *		S											228
RD DATA 01 L					1						0	0	0	0		7-6/8	1400000000	228
RD DATA 02 L			A11E2		1-01 *		S		1	2					N	0-6/8		229
RD DATA 02 L			A10E2		1-02 *		S		2	1					N	7-1/8		229
RD DATA 02 L			C09U2		1-03 *		S											229
RD DATA 02 L					1						0	0	0	0		7-7/8	1400000000	229
RD/WR UNSAFE H			A14A1		1-01 *		S		2	1					N	3-3/8		230
RD/WR UNSAFE H			B11B2		1-02 *		S		1	2					N	0-6/8		230
RD/WR UNSAFE H			B10B2		1-03 *		S		2	1					N	4-5/8		230
RD/WR UNSAFE H			C13B2		1-04 *		S											230
RD/WR UNSAFE H					1						0	0	0	0		0-6/8	1400000000	230
RD/WR UNSAFE L			B10B1		1-01 *		S		1	2					N	0-6/8		231
RD/WR UNSAFE L			B11B1		1-02 *		S		2	1					N	5-6/8		231
RD/WR UNSAFE L			D13B2		1-03 *		S											231
RD/WR UNSAFE L					1						0	0	0	0		6-4/8	1400000000	231
READ*0TRK L			C13B1		1-01 *		S		1	1					N	1-3/8		232
READ*0TRK L			C14H1		1-02 *		S											232
READ*0TRK L					1						0	0	0	0		1-3/8	1400000000	232
READ/WR DATA SIGA		H	J00102		1-01 *	H	S	219	1		-TWP					0		233
READ/WR DATA SIGA		H	A11N2		1-02 *	H	S	219	2		-TWP					7-3/8		233
READ/WR DATA SIGA		H	J00202		1-03 *	T	S	T 219			-TWP							233
READ/WR DATA SIGA		H			1						0	0	0	0		15-3/8	1400000000	233
READ/WR DATA SIGA		L	J00101		1-01 *	D	S	219	1		+TWP					0-2/8		234
READ/WR DATA SIGA		L	A11F2		1-02 *	D	S	219	2		+TWP					7-4/8		234
READ/WR DATA SIGA		L	J00201		1-03 *	T	S	T 219			+TWP							234
READ/WR DATA SIGA		L			1						0	0	0	0		15-6/8	1400000000	234
READ/WR DATA SIGB		H	J00302		1-01 *	H	S	219	1		-TWP					0-1/8		235
READ/WR DATA SIGB		H	A10M2		1-02 *	H	S	219	2		-TWP					7-4/8		235
READ/WR DATA SIGB		H	J00402		1-03 *	T	S	T 219			-TWP							235
READ/WR DATA SIGB		H			1						0	0	0	0		15-5/8	1400000000	235
READ/WR DATA SIGB		L	J00301		1-01 *	D	S	219	1		+TWP					0-3/8		236
READ/WR DATA SIGB		L	A10F2		1-02 *	D	S	219	2		+TWP					7-5/8		236
READ/WR DATA SIGB		L	J00401		1-03 *	T	S	T 219			+TWP							236
READ/WR DATA SIGB		L			1						0	0	0	0		16-0/8	1400000000	236

RK06 DUAL PORT,J		VGNRAP 35(102)-1 03-JUN-77								10-Oct-77				10135		PAGE 24		
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER
READY H			B12C1		1-P1 *		S		2	2					N	2-5/8		237
READY H			A09K2		1-P2 *		S		1	1					N	0-3/8		237
READY H			C13P2		1-P3 *		S		2	2					N	1-3/8		237
READY H			C11U2		1-P4 *		S		1	1					N	0-6/8		237
READY H			C10U2		1-P5 *		S											237
READY H					1						0	0	0	0		11-1/8	1400000000	237
RELEASE A +TIMEOUT H			A10P1		1-P1 *		S		1	1					N	5		238
RELEASE A +TIMEOUT H			C12J1		1-P2 *		S											238
RELEASE A +TIMEOUT H					1						0	0	0	0		5-0/8	1400000000	238
RELEASE B +TIMEOUT H			A11P1		1-P1 *		S		1	1					N	5		239
RELEASE B +TIMEOUT H			C12J2		1-P2 *		S											239
RELEASE B +TIMEOUT H					1						0	0	0	0		5-0/8	1400000000	239
RELEASE COMM A L			A12H1		1-P1 *		S		1	1					N	9-2/8		240
RELEASE COMM A L			D11B2		1-P2 *		S											240
RELEASE COMM A L					1						0	0	0	0		9-2/8	1400000000	240
RELEASE COMM B L			A12H2		1-P1 *		S		1	1					N	9-3/8		241
RELEASE COMM B L			D10B2		1-P2 *		S											241
RELEASE COMM B L					1						0	0	0	0		9-3/8	1400000000	241
REMOTE SENSE C			A15V1		1-P1 *		S		1	1					N	4-6/8		242
REMOTE SENSE C			C09A1		1-P2 *		S											242
REMOTE SENSE C					1						0	0	0	0		4-6/8	1400000000	242
REV H			B14E2		1-P1 *		S		1	1					N	5-4/8		243
REV H			D15E1		1-P2 *		S											243
REV H					1						0	0	0	0		5-4/8	1400000000	243
RUN H			A11B2		1-P1 *		S		1	1					N	0-6/8		244
RUN H			A10B2		1-P2 *		S		2	2					N	2-2/8		244
RUN H			A09U2		1-P3 *		S		1	1					N	0		244
RUN H			D13P2		1-P4 *		S											244
RUN H					1						0	0	0	0		11-0/8	1400000000	244
RUN SW L			A09L2		1-P1 *		S		1	1					N	0-2/8		245
RUN SW L			D13J2		1-P2 *		S											245
RUN SW L					1						0	0	0	0		0-2/8	1400000000	245
RUN SW*HOME L			B10U1		1-P1 *		S		1	2					N	0-6/8		246
RUN SW*HOME L			B11U1		1-P2 *		S		2	1					N	1-6/8		246
RUN SW*HOME L			B13N2		1-P3 *		S											246
RUN SW*HOME L					1						0	0	0	0		2-4/8	1400000000	246
SACK SIGA		H	J00116		1-P1 *	H	S	219	1		-TWP					4-2/8		247
SACK SIGA		H	D11E2		1-P2 *	H	S	219	2		-TWP					2-5/8		247
SACK SIGA		H	J00216		1-P3 *	T	S	T 219			-TWP							247
SACK SIGA		H			1						0	0	0	0		6-7/8	1400000000	247
SACK SIGA		L	J00115		1-P1 *	D	S	219	1		+TWP					4-4/8		248
SACK SIGA		L	D11F2		1-P2 *	D	S	219	2		+TWP					2-7/8		248
SACK SIGA		L	J00215		1-P3 *	T	S	T 219			+TWP							248
SACK SIGA		L			1						0	0	0	0		7-3/8	1400000000	248

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RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE FLAG	TYPE	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER	
SACK SIGB	H	J00316		1-01 *	H	S	219	1			-TWP				4-4/8		249	
SACK SIGB	H	D10E2		1-02 *	H	S	219	2			-TWP				3		249	
SACK SIGB	H	J00416		1-03 *	T	S	T 219				-TWP						249	
SACK SIGB	H			1							0	0	0	0	7-4/8	1400000000	249	
SACK SIGB	L	J00315		1-01 *	D	S	219	1			+TWP				4-6/8		250	
SACK SIGB	L	D10F2		1-02 *	D	S	219	2			+TWP				3-2/8		250	
SACK SIGB	L	J00415		1-03 *	T	S	T 219				+TWP						250	
SACK SIGB	L			1							0	0	0	0	8-0/8	1400000000	250	
SECT CT 00 H		A13U1		1-01 *		S			1	1					N	1-5/8	251	
SECT CT 00 H		A14J1		1-02 *		S											251	
SECT CT 00 H				1							0	0	0	0	1-5/8	1400000000	251	
SECT CT 01 H		A13M2		1-01 *		S			1	1					N	0-6/8	252	
SECT CT 01 H		A14M2		1-02 *		S											252	
SECT CT 01 H				1							0	0	0	0	0-6/8	1400000000	252	
SECT CT 02 H		A13L2		1-01 *		S			1	1					N	0-4/8	253	
SECT CT 02 H		A14L1		1-02 *		S											253	
SECT CT 02 H				1							0	0	0	0	0-4/8	1400000000	253	
SECT CT 03 H		A13R2		1-01 *		S			1	1					N	0-7/8	254	
SECT CT 03 H		A14N2		1-02 *		S											254	
SECT CT 03 H				1							0	0	0	0	0-7/8	1400000000	254	
SECT CT 04 H		A13C1		1-01 *		S			1	1					N	1-2/8	255	
SECT CT 04 H		A14F2		1-02 *		S											255	
SECT CT 04 H				1							0	0	0	0	1-2/8	1400000000	255	
SEEK COMM H		D13E1		1-01 *		S			1	1					N	0-7/8	256	
SEEK COMM H		D14C1		1-02 *		S											256	
SEEK COMM H				1							0	0	0	0	0-7/8	1400000000	256	
SEEK INC H		B13U1		1-01 *		S			2	1					N	1-6/8	257	
SEEK INC H		C11H2		1-02 *		S			1	2					N	0-6/8	257	
SEEK INC H		C10H2		1-03 *		S											257	
SEEK INC H				1							0	0	0	0	2-4/8	1400000000	257	
SERVO CLK H		A13P2		1-01 *		S			1	1					N	1-7/8	258	
SERVO CLK H		A16M2		1-02 *		S											258	
SERVO CLK H				1							0	0	0	0	1-7/8	1400000000	258	
SERVO CLK L		A16P1		1-01 *		S			1	1					N	3-1/8	259	
SERVO CLK L		B13C1		1-02 *		S											259	
SERVO CLK L				1							0	0	0	0	3-1/8	1400000000	259	
SERVO CLK/2 H		A13N2		1-01 *		S			1	1					N	2-6/8	260	
SERVO CLK/2 H		B16F2		1-02 *		S											260	
SERVO CLK/2 H				1							0	0	0	0	2-6/8	1400000000	260	
SERVO CLK/2 L		A16Y2		1-01 *		S			1	1					N	2-3/8	261	
SERVO CLK/2 L		B13D1		1-02 *		S											261	
SERVO CLK/2 L				1							0	0	0	0	2-3/8	1400000000	261	

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RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER		
SERVO PULSE H		A16M2		1-01 *		S		1	2					N	2-6/8	262		
SERVO PULSE H		B13E2		1-02 *		S		2	1					N	4	262		
SERVO PULSE H		C16N2		1-03 *		S										262		
SERVO PULSE H				1						0	0	0	0	6-6/8	1400000000	262		
SERVO PULSE L		A16U2		1-01 *		S		1	1					N	4-2/8	263		
SERVO PULSE L		C16H2		1-02 *		S										263		
SERVO PULSE L				1						0	0	0	0	4-2/8	1400000000	263		
SERVO SIGNAL PRES H		A13K2		1-01 *		S		1	1					N	4	264		
SERVO SIGNAL PRES H		B16R2		1-02 *		S										264		
SERVO SIGNAL PRES H				1						0	0	0	0	4-0/8	1400000000	264		
SERVO SIGNAL PRES L		A13J1		1-01 *		S		1	1					N	4	265		
SERVO SIGNAL PRES L		B16P2		1-02 *		S										265		
SERVO SIGNAL PRES L				1						0	0	0	0	4-0/8	1400000000	265		
SERVO UNSAFE H		A13J2		1-01 *		S		1	1					N	6-1/8	266		
SERVO UNSAFE H		C15N2		1-02 *		S										266		
SERVO UNSAFE H				1						0	0	0	0	6-1/8	1400000000	266		
SERVO UNSAFE L		C15P2		1-01 *		S		1	1					N	3-3/8	267		
SERVO UNSAFE L		D13P1		1-02 *		S										267		
SERVO UNSAFE L				1						0	0	0	0	3-3/8	1400000000	267		
SET DR SEL A L		A12U1		1-01 *		S		1	1					N	4-4/8	268		
SET DR SEL A L		C11J1		1-02 *		S										268		
SET DR SEL A L				1						0	0	0	0	4-4/8	1400000000	268		
SET DR SEL B L		A12U2		1-01 *		S		1	1					N	4-5/8	269		
SET DR SEL B L		C10J1		1-02 *		S										269		
SET DR SEL B L				1						0	0	0	0	4-5/8	1400000000	269		
SET DSC H		B10S2		1-01 *		S		1	2					N	6-6/8	270		
SET DSC H		B11S2		1-02 *		S		2	1					N	1-4/8	270		
SET DSC H		B13K2		1-03 *		S										270		
SET DSC H				1						0	0	0	0	2-2/8	1400000000	270		
SET HEAD FAULT L		B13E1		1-01 *		S		1	1					N	7-3/8	271		
SET HEAD FAULT L		D09V1		1-02 *		S										271		
SET HEAD FAULT L				1						0	0	0	0	7-3/8	1400000000	271		
SET MULT HD SEL L		B13D2		1-01 *		S		1	1					N	6-5/8	272		
SET MULT HD SEL L		D09L2		1-02 *		S										272		
SET MULT HD SEL L				1						0	0	0	0	6-5/8	1400000000	272		
SET SERVO SIGNAL ERR L		A13S1		1-01 *		S		1	1					N	3-4/8	273		
SET SERVO SIGNAL ERR L		B16S2		1-02 *		S										273		
SET SERVO SIGNAL ERR L				1						0	0	0	0	3-4/8	1400000000	273		
SET WR CURR+NONRGATE L		A13U2		1-01 *		S		1	1					N	7-7/8	274		
SET WR CURR+NONRGATE L		D09M2		1-02 *		S										274		
SET WR CURR+NONRGATE L				1						0	0	0	0	7-7/8	1400000000	274		

RK06 DUAL PORT,J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10135		PAGE 27		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	DAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
SET NR GATE+NO TRANS L		A13V2		1-01 *		S		1	1					N 7-4/8		275
SET NR GATE+AO TRANS L		D09K2		1-02 *		S										275
SET NR GATE+AO TRANS L				1						0	0	0	0	7-4/8 1400000000		275
SETTLING L		B14U2		1-01 *		S		1	1					N 1-6/8		276
SETTLING L		C13J2		1-02 *		S										276
SETTLING L				1						0	0	0	0	1-6/8 1400000000		276
SHORT CP A L		A12R1		1-01 *		S		1	1					N 1-5/8		277
SHORT CP A L		B11A1		1-02 *		S										277
SHORT CP A L				1						0	0	0	0	1-5/8 1400000000		277
SHORT CP B L		A12R2		1-01 *		S		1	1					N 2-1/8		278
SHORT CP B L		B10A1		1-02 *		S										278
SHORT CP B L				1						0	0	0	0	2-1/8 1400000000		278
SHORT SEEK L		A14B2		1-01 *		S		1	I					N 1-4/8		279
SHORT SEEK L		A15M2		1-02 *		S			I							279
SHORT SEEK L				1						0	0	0	0	1-4/8 1400000000		279
SPEED LED CATHODE		B09B1		1-01 *		S		1	1					N 2-4/8		280
SPEED LED CATHODE		B13B2		1-02 *		S										280
SPEED LED CATHODE				1						0	0	0	0	2-4/8 1400000000		280
SPEED LOSS H		B11P1		1-01 *		S		1	1					N 0-6/8		281
SPEED LOSS H		B10P1		1-02 *		S		2	2					N 1-6/8		281
SPEED LOSS H		B13P1		1-03 *		S										281
SPEED LOSS H				1						0	0	0	0	2-4/8 1400000000		281
SPEED OK H		B14M2		1-01 *		S		1	1					N 6-5/8		282
SPEED OK H		D13B2		1-02 *		S										282
SPEED OK H				1						0	0	0	0	6-5/8 1400000000		282
SPINDLE BRAKE L		C09B1		1-01 *	K	S		1	1					4-3/8		283
SPINDLE BRAKE L		D13J1		1-02 *		S										283
SPINDLE BRAKE L				1						0	0	0	0	4-3/8 1400000000		283
SPINDLE ON L		C09D1		1-01 *	K	S		1	1					4-7/8		284
SPINDLE ON L		D13R2		1-02 *		S										284
SPINDLE ON L				1						0	0	0	0	4-7/8 1400000000		284
SPINDLE SPEED		B09C1		1-01 *		S		1	1					N 4-7/8		285
SPINDLE SPEED		C13P2		1-02 *		S										285
SPINDLE SPEED				1						0	0	0	0	4-7/8 1400000000		285
STAT ADD A H		A12J1		1-01 *		S		1	1					N 4		286
STAT ADD A H		B11B1		1-02 *		S										286
STAT ADD A H				1						0	0	0	0	4-0/8 1400000000		286
STAT ADD B H		A12J2		1-01 *		S		1	1					N 4-1/8		287
STAT ADD B H		B10B1		1-02 *		S										287
STAT ADD B H				1						0	0	0	0	4-1/8 1400000000		287
STAT ADD H		B12P1		1-01 *		S		1	1					N 4-3/8		288
STAT ADD H		C14V1		1-02 *		S										288
STAT ADD H				1						0	0	0	0	4-3/8 1400000000		288

RK06 DUAL PORT,J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10135		PAGE 28		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	DAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
STAT ADD L		C14R2		1-01 *		S		1						4 1-5/8		289
STAT ADD L		C12K2		1-02 *		S										289
STAT ADD L				1						0	0	0	0	1-5/8 1400000000		289
STOPPED LITE H		A09V2		1-01 *		S		1	1					N 4-3/8		290
STOPPED LITE H		C13D2		1-02 *		S										290
STOPPED LITE H				1						0	0	0	0	4-3/8 1400000000		290
STROBE MUX 01 A L		C12L1		1-01 *		S		1	1					N 2-6/8		291
STROBE MUX 01 A L		D11H1		1-02 *		S										291
STROBE MUX 01 A L				1						0	0	0	0	2-6/8 1400000000		291
STROBE MUX 01 B L		C12L2		1-01 *		S		1	1					N 3		292
STROBE MUX 01 B L		D10H1		1-02 *		S										292
STROBE MUX 01 B L				1						0	0	0	0	3-0/8 1400000000		292
STROBE MUX 01 L		C12P1		1-01 *		S		1	1					N 6-6/8		293
STROBE MUX 01 L		A13D2		1-02 *		S		2	2					N 3-6/8		293
STROBE MUX 01 L		B14K2		1-03 *		S										293
STROBE MUX 01 L				1						0	0	0	0	10-4/8 1400000000		293
STROBE MUX 02 A L		C12M1		1-01 *		S		1	1					N 2-4/8		294
STROBE MUX 02 A L		D11F1		1-02 *		S										294
STROBE MUX 02 A L				1						0	0	0	0	2-4/8 1400000000		294
STROBE MUX 02 B L		C12M2		1-01 *		S		1	1					N 2-6/8		295
STROBE MUX 02 B L		D10F1		1-02 *		S										295
STROBE MUX 02 B L				1						0	0	0	0	2-6/8 1400000000		295
STROBE MUX 02 L		C12P2		1-01 *		S		1	1					N 1-3/8		296
STROBE MUX 02 L		C14M2		1-02 *		S										296
STROBE MUX 02 L				1						0	0	0	0	1-3/8 1400000000		296
STROBE MUX 03 A L		C12N1		1-01 *		S		1	1					N 1-7/8		297
STROBE MUX 03 A L		D11B1		1-02 *		S										297
STROBE MUX 03 A L				1						0	0	0	0	1-7/8 1400000000		297
STROBE MUX 03 B L		C12M2		1-01 *		S		1	1					N 2-2/8		298
STROBE MUX 03 B L		D16B1		1-02 *		S										298
STROBE MUX 03 B L				1						0	0	0	0	2-2/8 1400000000		298
STROBE MUX 03 L		A14U1		1-01 *		S		1	1					N 5-2/8		299
STROBE MUX 03 L		C12P1		1-02 *		S										299
STROBE MUX 03 L				1						0	0	0	0	5-2/8 1400000000		299
STROBE SIGA	H	J00110		1-01 *	H	S	219	1		-TNP				8-6/8		300
STROBE SIGA	H	A1102		1-02 *	H	S	219	2		-TNP				8-1/8		300
STROBE SIGA	H	J00210		1-03 *	T	S	T 219			-TNP						300
STROBE SIGA	H			1						0	0	0	0	16-7/8 1400000000		300
STROBE SIGA	L	J00109		1-01 *	D	S	219	1		+TNP				6-2/8		301
STROBE SIGA	L	B11M2		1-02 *	D	S	219	2		+TNP				1-2/8		301
STROBE SIGA	L	J00209		1-03 *	T	S	T 219			+TNP						301
STROBE SIGA	L			1						0	0	0	0	11-4/8 1400000000		301

RK06 DUAL PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:35		PAGE 29		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	SAY - ORDER	O	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	
STROBE SIGB	H	J00310		1-01 * H		S	219	1		-TWP				0-7/8		302
STROBE SIGB	H	A1002		1-02 * H		S	219	2		-TWP				0-2/8		302
STROBE SIGB	H	J00410		1-03 * T		S	T 219			-TWP						302
STROBE SIGB	H			1						0	0	0	0	17-1/8	1400000000	302
STROBE SIGB	L	J00309		1-01 * D		S	219	1		+TWP				6-3/8		303
STROBE SIGB	L	10042		1-02 * D		S	219	2		+TWP				5-3/8		303
STROBE SIGB	L	J00409		1-03 * T		S	T 219			+TWP						303
STROBE SIGB	L			1						0	0	0	0	11-6/8	1400000000	303
SW EN A L		A12M1		1-01 *		S		1	1					N 2-1/8		304
SW EN A L		A09C1		1-02 *		S		2	2					N 1-7/8		304
SW EN A L		A11N1		1-03 *		S										304
SW EN A L				1						0	0	0	0	4-0/8	1400000000	304
SW EN B L		A12M2		1-01 *		S		2	2					N 1-6/8		305
SW EN B L		A09J2		1-02 *		S		1	1					N 0-7/8		305
SW EN B L		A10N1		1-03 *		S										305
SW EN B L				1						0	0	0	0	2-5/8	1400000000	305
T02 A L		D11C1		1-01 *		S		1	1					N 1-1/8		306
T02 A L		D1202		1-02 *		S										306
T02 A L				1						0	0	0	0	1-1/8	1400000000	306
T02 B L		D10C1		1-01 *		S		1	1					N 1-2/8		307
T02 B L		D12C1		1-02 *		S										307
T02 B L				1						0	0	0	0	1-2/8	1400000000	307
T03 A L		B11E2		1-01 *		S		1	2					N 6-2/8		308
T03 A L		D12M1		1-02 *		S										308
T03 A L				1						0	0	0	0	6-2/8	1400000000	308
T03 B L		B10E2		1-01 *		S		1	1					N 6-3/8		309
T03 B L		D12M2		1-02 *		S										309
T03 B L				1						0	0	0	0	6-3/8	1400000000	309
T03 L		B12L1		1-01 *		S		1	1					N 5		310
T03 L		D14D2		1-02 *		S										310
T03 L				1						0	0	0	0	5-0/8	1400000000	310
T04 H		B12L2		1-01 *		S		1	1					N 5-1/8		311
T04 H		D14F2		1-02 *		S										311
T04 H				1						0	0	0	0	5-1/8	1400000000	311
T05 H		B12M1		1-01 *		S		1	1					N 5-7/8		312
T05 H		D14M2		1-02 *		S										312
T05 H				1						0	0	0	0	5-7/8	1400000000	312
T06 H		B12M2		1-01 *		S		1	1					N 3-6/8		313
T06 H		C13V1		1-02 *		S										313
T06 H				1						0	0	0	0	3-6/8	1400000000	313
T07 L		B12M1		1-01 *		S		1	1					N 2-1/8		314
T07 L		B1402		1-02 *		S										314
T07 L				1						0	0	0	0	2-1/8	1400000000	314

RK06 DUAL PORT,J		VGWRAP 35(102)-1		03-JUN-77						10-Oct-77		10:35		PAGE 30		RUN
RUN NAME	A/P	PIN NAME	ORDER PIN	SAY - ORDER	O	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH	EXCEPTIONS	
T09 L		A13M1		1-01 *		S		1	1					N 3-5/8		315
T09 L		B12M2		1-02 *		S										315
T09 L				1						0	0	0	0	3-5/8	1400000000	315
T10 H		B12P1		1-01 *		S		1	1					N 2-2/8		316
T10 H		C13M2		1-02 *		S										316
T10 H				1						0	0	0	0	2-2/8	1400000000	316
T12 L		B12P2		1-01 *		S		1	1					N 3-5/8		317
T12 L		C14V2		1-02 *		S										317
T12 L				1						0	0	0	0	3-5/8	1400000000	317
T13 L		B1201		1-01 *		S		1	I					N 2-4/8		318
T13 L		C14M1		1-02 *		S			I							318
T13 L				1						0	0	0	0	2-4/8	1400000000	318
T14 H		B12R1		1-01 *		S		1	1					N 3-3/8		319
T14 H		C14T2		1-02 *		S										319
T14 H				1						0	0	0	0	3-3/8	1400000000	319
T15 H		C13E2		1-01 *		S		1	1					N 1-6/8		320
T15 H		B12R2		1-02 *		S		2	2					N 2-7/8		320
T15 H		C14P2		1-03 *		S										320
T15 H				1						0	0	0	0	4-5/8	1400000000	320
T15 PEXT H		C14K1		1-01 *		S		1	1					N 2-3/8		321
T15 PEXT H		D13C1		1-02 *		S										321
T15 PEXT H				1						0	0	0	0	2-3/8	1400000000	321
T4 'A'-H		D11L2		1-01 *		S		1						N 0-5/8		322
T4 'A'-H		D12M1		1-02 *		S										322
T4 'A'-H				1						0	0	0	0	0-5/8	1400000000	322
T4 'B'-H		D10L2		1-01 *		S		1						N 1-3/8		323
T4 'B'-H		D12M2		1-02 *		S										323
T4 'B'-H				1						0	0	0	0	1-3/8	1400000000	323
T6 'A'-H		D11E1		1-01 *		S		1						N 2		324
T6 'A'-H		D12V1		1-02 *		S										324
T6 'A'-H				1						0	0	0	0	2-0/8	1400000000	324
T6 'B'-H		D10E1		1-01 *		S		1						N 2-3/8		325
T6 'B'-H		D12V2		1-02 *		S										325
T6 'B'-H				1						0	0	0	0	2-3/8	1400000000	325
TRK CT L		C14P1		1-01 *		S		1	1					N 1-2/8		326
TRK CT L		C15M2		1-02 *		S										326
TRK CT L				1						0	0	0	0	1-2/8	1400000000	326
TRK ERROR		B15R2		1-01 *		S		1	1					N 1-6/8		327
TRK ERROR		C16E2		1-02 *		S										327
TRK ERROR				1						0	0	0	0	1-6/8	1400000000	327
U0 'A'-H		C11V1		1-01 *		S		1						N 6-5/8		328
U0 'A'-H		A12L1		1-02 *		S										328
U0 'A'-H				1						0	0	0	0	6-5/8	1400000000	328

RK06 DUAL PORT.J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10135		PAGE 31		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
U0 *B*-H		C10V1		1-01 *		S		1						N 6-5/8		329
U0 *B*-H		A12L2		1-02 *		S										329
U0 *B*-H				1						0	0	0	0	6-5/8	1400000000	329
U00 H		A12N1		1-01 *		S		1						N 4		330
U00 H		B14V2		1-02 *		S										330
U00 H				1						0	0	0	0	4-0/8	1400000000	330
U00 L		A09P2		1-01 *		S		2	1					N 0-1/8		331
U00 L		D10N2		1-02 *		S		1	2					N 0-6/8		331
U00 L		D11N2		1-03 *		S										331
U00 L				1						0	0	0	0	0-7/8	1400000000	331
U01 H		C10S2		1-01 *		S		1	1					N 2-6/8		332
U01 H		C14A1		1-02 *		S		2	2					N 2-4/8		332
U01 H		C11S2		1-03 *		S										332
U01 H				1						0	0	0	0	5-2/8	1400000000	332
U01 L		A09S2		1-01 *		S		2	1					N 7-4/8		333
U01 L		D10J2		1-02 *		S		1	2					N 0-6/8		333
U01 L		D11J2		1-03 *		S										333
U01 L				1						0	0	0	0	0-2/8	1400000000	333
U02 H		C10P1		1-01 *		S		1	1					N 2-4/8		334
U02 H		C14C1		1-02 *		S		2	2					N 2-1/8		334
U02 H		C11M1		1-03 *		S										334
U02 H				1						0	0	0	0	4-5/8	1400000000	334
U02 L		A09P2		1-01 *		S		2	1					N 0-1/8		335
U02 L		D10N1		1-02 *		S		1	2					N 0-6/8		335
U02 L		D11M1		1-03 *		S										335
U02 L				1						0	0	0	0	0-7/8	1400000000	335
UNLD HDS H		D13H1		1-01 *		S		1	1					N 4-6/8		336
UNLD HDS H		B14M2		1-02 *		S		2	2					N 4-5/8		336
UNLD HDS H		D15P2		1-03 *		S										336
UNLD HDS H				1						0	0	0	0	9-3/8	1400000000	336
UNLD HDS L		B12U2		1-01 *		S		1	2					N 1-6/8		337
UNLD HDS L		C14D2		1-02 *		S		2	1					N 3-1/8		337
UNLD HDS L		D13D1		1-03 *		S										337
UNLD HDS L				1						0	0	0	0	4-7/8	1400000000	337
VEL		B15M2		1-01 *		S		1	I					N 1-1/8		338
VEL		B16U1		1-02 *		S			I							338
VEL				1						0	0	0	0	1-1/8	1400000000	338
VOL VAL A H		A12K1		1-01 *		S		1	1					N 2-4/8		339
VOL VAL A H		B11D1		1-02 *		S										339
VOL VAL A H				1						0	0	0	0	2-4/8	1400000000	339
VOL VAL B H		A12K2		1-01 *		S		1	1					N 2-6/8		340
VOL VAL B H		B10D1		1-02 *		S										340
VOL VAL B H				1						0	0	0	0	2-6/8	1400000000	340

RK06 DUAL PORT.J		VGNRAP 35(102)-1		03-JUN-77						10-Oct-77		10135		PAGE 32		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
VOL VAL H		B12H1		1-01 *		S		1	1					N 6-3/8		341
VOL VAL H		D14P1		1-02 *		S										341
VOL VAL H				1						0	0	0	0	6-3/8	1400000000	341
VOL VAL L		C12S1		1-01 *		S		1	1					N 1-6/8		342
VOL VAL L		C13D1		1-02 *		S										342
VOL VAL L				1						0	0	0	0	1-6/8	1400000000	342
WR CLO SIGA	H	J00132		1-01 *	H	S	219	1		-TWP				4-3/8		343
WR CLO SIGA	H	D11D2		1-02 *	H	S	219	2		-TWP				2-6/8		343
WR CLO SIGA	H	J00232		1-03 *	T	S	T 219			-TWP						343
WR CLO SIGA	H			1						0	0	0	0	7-1/8	1400000000	343
WR CLO SIGA	L	J00131		1-01 *	D	S	219	1		+TWP				4-2/8		344
WR CLO SIGA	L	D11D1		1-02 *	D	S	219	2		+TWP				2-5/8		344
WR CLO SIGA	L	J00231		1-03 *	T	S	T 219			+TWP						344
WR CLO SIGA	L			1						0	0	0	0	6-7/8	1400000000	344
WR CLO SIGB	H	J00332		1-01 *	H	S	219	1		-TWP				4-5/8		345
WR CLO SIGB	H	D10D2		1-02 *	H	S	219	2		-TWP				3-1/8		345
WR CLO SIGB	H	J00432		1-03 *	T	S	T 219			-TWP						345
WR CLO SIGB	H			1						0	0	0	0	7-6/8	1400000000	345
WR CLO SIGB	L	J00331		1-01 *	D	S	219	1		+TWP				4-4/8		346
WR CLO SIGB	L	D10D1		1-02 *	D	S	219	2		+TWP				3		346
WR CLO SIGB	L	J00431		1-03 *	T	S	T 219			+TWP						346
WR CLO SIGB	L			1						0	0	0	0	7-4/8	1400000000	346
WR CLOCK H		A16P2		1-01 *		S		2	1					N 0-2/8		347
WR CLOCK H		D11B2		1-02 *		S		1	2					N 0-6/8		347
WR CLOCK H		D10B2		1-03 *		S										347
WR CLOCK H				1						0	0	0	0	9-0/8	1400000000	347
WR DATA A L		A11L2		1-01 *		S		1	2					N 1-3/8		348
WR DATA A L		A12V1		1-02 *		S										348
WR DATA A L				1						0	0	0	0	1-3/8	1400000000	348
WR DATA B L		A10L2		1-01 *		S		1	1					N 1-6/8		349
WR DATA B L		A12V2		1-02 *		S										349
WR DATA B L				1						0	0	0	0	1-6/8	1400000000	349
WR DATA L		B12A1		1-01 *		S		1	1					N 7-3/8		350
WR DATA L		D09S2		1-02 *		S										350
WR DATA L				1						0	0	0	0	7-3/8	1400000000	350
WR GATE A L		B11D2		1-01 *		S		1	1					N 0-5/8		351
WR GATE A L		B12D1		1-02 *		S										351
WR GATE A L				1						0	0	0	0	0-5/8	1400000000	351
WR GATE B L		B10D2		1-01 *		S		1	2					N 1-3/8		352
WR GATE B L		B12D2		1-02 *		S										352
WR GATE B L				1						0	0	0	0	1-3/8	1400000000	352

RK06 DUAL PORT,J		VGWRAP 35(102)-1 03-JUN-77				10-Oct-77				10:35				PAGE 33		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
WR GATE L		C1282		1-01 *		S		1	1					N	3-5/8	353
WR GATE L		U09U2	C09V1	1-02 *		S		2	2					N	2-7/8	353
WR GATE L		C09V1		1-03 *		S										353
WR GATE L				1						0	0	0	0		6-4/8 1400000000	353
WR GATE SIGA	H	J00104		1-01 *	H	S	219	1		-TWP					7-2/8	354
WR GATE SIGA	H	A11T2		1-02 *	H	S	219	2		-TWP					6-3/8	354
WR GATE SIGA	H	J00204		1-03 *	T	S	T 219			-TWP						354
WR GATE SIGA	H			1						0	0	0	0		13-5/8 1400000000	354
WR GATE SIGA	L	J00103		1-01 *	D	S	219	1		+TWP					7-1/8	355
WR GATE SIGA	L	A11U2		1-02 *	D	S	219	2		+TWP					6-2/8	355
WR GATE SIGA	L	J00203		1-03 *	T	S	T 219			+TWP						355
WR GATE SIGA	L			1						0	0	0	0		13-3/8 1400000000	355
WR GATE SIGB	H	J00304		1-01 *	H	S	219	1		-TWP					7-3/8	356
WR GATE SIGB	H	A10T2		1-02 *	H	S	219	2		-TWP					6-4/8	356
WR GATE SIGB	H	J00404		1-03 *	T	S	T 219			-TWP						356
WR GATE SIGB	H			1						0	0	0	0		13-7/8 1400000000	356
WR GATE SIGB	L	J00303		1-01 *	D	S	219	1		+TWP					7-2/8	357
WR GATE SIGB	L	A10U2		1-02 *	D	S	219	2		+TWP					6-4/8	357
WR GATE SIGB	L	J00403		1-03 *	T	S	T 219			+TWP						357
WR GATE SIGB	L			1						0	0	0	0		13-6/8 1400000000	357
WR PROT SW L		A09M2		1-01 *		S		1	1					N	4-7/8	358
WR PROT SW L		B13V1		1-02 *		S		2	2					N	2-6/8	358
WR PROT SW L		C1582		1-03 *		S										358
WR PROT SW L				1						0	0	0	0		7-5/8 1400000000	358
WRL CHANGE L		C13F1		1-01 *		S		2	1					N	4-3/8	359
WRL CHANGE L		D1181		1-02 *		S		1	2					N	0-0/8	359
WRL CHANGE L		D1081		1-03 *		S										359
WRL CHANGE L				1						0	0	0	0		5-1/8 1400000000	359
WRL ERR H		C10E1		1-01 *		S		1	2					N	0-6/8	360
WRL ERR H		C11E1		1-02 *		S		2	1					N	1-6/8	360
WRL ERR H		C13L2		1-03 *		S										360
WRL ERR H				1						0	0	0	0		2-4/8 1400000000	360
WRL H		A09M2		1-01 *		S		2	1					N	5-2/8	361
WRL H		C10L1		1-02 *		S		1	2					N	0-6/8	361
WRL H		C11L1		1-03 *		S		2	1					N	1-6/8	361
WRL H		C13T2		1-04 *		S										361
WRL H				1						0	0	0	0		7-6/8 1400000000	361
WRL L		B10J1		1-01 *		S		1	2					N	0-6/8	362
WRL L		B11J1		1-02 *		S		2	1					N	0-4/8	362
WRL L		D13S1		1-03 *		S										362
WRL L				1						0	0	0	0		7-2/8 1400000000	362
X LIM PA		C09L2		1-01 *		S		1	1					N	3-1/8	363
X LIM PA		C15M2		1-02 *		S										363
X LIM PA				1						0	0	0	0		3-1/8 1400000000	363

RK06 DUAL PORT,J		VGWRAP 35(102)-1 03-JUN-77				10-Oct-77				10:35				PAGE 34		RUN NUMBER
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	MODULE TYPE FLAG	Z	C	LOADING HIGH	LOW	AC	EXTRA	NC LENGTH FLAG	EXCEPTIONS	
XDUCER LED CATHODE		C09H1		1-01 *		S		1	1					N	4-6/8	364
XDUCER LED CATHODE		D15J2		1-02 *		S										364
XDUCER LED CATHODE				1						0	0	0	0		4-6/8 1400000000	364

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BLANK